## DEPARTMENT OF THE NAVY FISCAL YEAR (FY) 2006/FY 2007 BUDGET ESTIMATES



## JUSTIFICATION OF ESTIMATES FEBRUARY 2005

PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS BUDGET ACTIVITY 2

#### UNCLASSIFIED

#### DEPARTMENT OF THE NAVY FY 2006 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: FEBRUARY 2005

APPROPRIATION: 1508N PROCUREMENT OF AMMO, NAVY & MARINE CORPS

		MI	LLIONS OF DOLLAR	S	
LINE NO ITEM NOMENCLATURE	IDENT CODE QUAN	TITY COST Q	QUANTITY COST		
BUDGET ACTIVITY 02: PROC AMMO, MC					
MARINE CORPS AMMUNITION					
19 5.56 MM, ALL TYPES	А	22.6	35.0	37.5	U
20 7.62 MM, ALL TYPES	А	6.1	8.7	13.7	U
21 LINEAR CHARGES, ALL TYPES	А	21.3	17.7	38.8	U
22 .50 CALIBER	А	8.1	1.9	34.9	U
23 40 MM, ALL TYPES	А	10.1	25.0	58.1	U
24 60MM, ALL TYPES	А	10.8	12.4	16.2	U
25 81MM, ALL TYPES	А	18.8	25.2	17.2	U
26 120MM, ALL TYPES	А	39.2	15.3	7.2	U
27 CTG 25MM, ALL TYPES	А	3.7	3.7	2.1	U
28 9 MM ALL TYPES	А	2.6	7.6		U
29 GRENADES, ALL TYPES	А	7.0	5.0	5.3	U
30 ROCKETS, ALL TYPES	А	19.4	21.3		U
31 ARTILLERY, ALL TYPES	А	52.0	55.4	31.8	U
32 EXPEDITIONARY FIGHTING VEHICLE	А		2.5	5.7	U
33 DEMOLITION MUNITIONS, ALL TYPES	А	5.8	3.3	2.4	U
34 FUZE, ALL TYPES	А	4.3	13.8	3.6	U
35 NON LETHALS	В	3.7	1.1	1.1	U
36 AMMO MODERNIZATION	A	4.9	7.1	7.4	U

UNCLASSIFIED

#### DEPARTMENT OF THE NAVY FY 2006 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: FEBRUARY 2005

APPROPRIATION: 1508N PROCUREMENT OF AMMO, NAVY & MARINE CORPS

					MILLIONS C	F DOLLAR	.S	
LINE		IDENT	FY	2004	FY	2005	FY 2006	S E
NO	ITEM NOMENCLATURE	CODE	QUANTITY	COST	QUANTITY	COST	QUANTITY COST	С
								-
37 ITEMS	S LESS THAN \$5 MILLION	А		3.4		1.7	18.2	U
TOTAL PRO	OC AMMO, MC			243.8		263.7	301.3	
TOTAL PRO	OCUREMENT OF AMMO, NAVY & MARINE CORPS			243.8		263.7	301.3	

PAGE N-4

### Fiscal Year 2006 Budget Estimates Budget Appendix Extract Language

# PROCUREMENT OF AMMUNITION, NAVY and MARINE CORPS (PANMC)

For construction, procurement, production, and modification of ammunition, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities, authorized by [section 2854 of title 10, United States Code] *law*, and the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractorowned equipment layaway; and other expenses necessary for the foregoing purposes, [\$888,340,000] \$872,849,000, to remain available for obligation until September 30, [2007] 2008, of which \$19,562,000 shall be available for the Navy Reserve and Marine Corps Reserve. (Department of Defense Appropriations Act, 2005.)

Exhibit P-40, Budget Item Justification			Date: FEBRUARY 2005
Appropriation Code/Budget Activity/Serial Number:		P-1 Item Nomenclatu	re:
Procurement of Ammunition, Navy and Marine Corps/2/Amm	unition	(101000) 5.56MM, AL:	L TYPES
Program Element for Code B Items:	Other Rel	ated Program Element	S

	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	22.618	34.993	37.452	29.999	30.256	31.634	6.646	35.837		229.435

Description: The Cartridge, 5.56mm Jacketed Frangible (DODIC AA40) is intended to penetrate soft targets with the projectile breaking up on impact with hard targets. The DODIC AA40 consists of a brass cartridge case, a primer and propellant composition. The Jacketed Frangible cartridge contains a non-toxic, copper, tungsten powder and nylon binder designed to eliminate airborne lead and concerns for disposal. The copper alloy jacket eliminates barrel fouling and gas cutting into barrel and the double base propellant is clean burning. The Cartridge, 5.56mm Ball M855 10/Clip Commercial Pack environmentally friendly (DODIC AA45) will be an alternate to (DODIC A059) primary ball ammunition for the M16A2 Rifle and can be used in the M249 Squad Automatic Weapon (SAW) with a magazine. The M855 Cartridge consists of a brass case, a primer, propellant, and a bullet. The projectile is a pressed tungsten/tin, tungsten/nylon mix. This current cartridge contains a lead primer.

The Cartridge, 5.56mm Special Match Molydenum Coated (DODIC: AA67). This cartridge is in support of the Marine Corps Competition in Arms Program.

The Cartridge, 5.56mm Ball M855 10/Clip (DODIC A059) is the primary ball ammunition for the M16A2 Rifle and can be used in the M249 Squad Automatic Weapon (SAW) with a magazine. The M855 Cartridge consists of a brass case, a primer, propellant, and a bullet.

The Cartridge, 5.56mm Dummy M199 (DODIC A060) is used in the M16 Rifle series for training personnel in loading or unloading, simulating fire and rifle inspection. The M199 Cartridge contains neither primer nor propellant. The cartridge case has six longitudinal corrugations impressed upon the case for identification and a plain bullet tip.

The Cartridge, 5.56mm Ball M855 Linked (DODIC A062) is used in the M249 Squad Automatic Weapon (SAW) Machine Gun and is intended for training during dry conditions where tracer ammunition is restricted from use. The DODIC A062 is linked 5.56mm NATO ammunition. A green tip on the projectile of the M855 Ball ammunition identifies the cartridge. The M27 Link is used to connect the 200 round belts.

The Cartridge, 5.56mm 4 Ball M855/1 Tracer M856 Linked (DODIC A064) is the standard ammunition used for combat and training in the M249 Squad Automatic Weapon (SAW) Machine Gun. These cartridges are linked with M27 Links. The M855 and M856 cartridges consist of a brass cartridge case, a primer and propellant. The M855 Ball cartridge has a green bullet tip for identification. The M856 Tracer cartridge has an orange bullet tip for identification. The M856 Tracer cartridge is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact, target designation, or range estimation.

The Cartridge, 5.56mm Plastic Ball Practice M862 (DODIC A065) is a short range cartridge used for training purposes with the M16 and M4 Series Rifles adapted with the M2 bolt. The M862 Cartridge consists of a brass case, a primer, propellant composition, and a plastic projectile made of a polycarbonate blend.

The Cartridge, 5.56mm Blank M200 Linked (DODIC A075) is used in the M249 Squad Automatic Weapon (SAW) Machine Gun. It is designed to simulate firing during training exercises. The M200 Cartridge is linked with the M27 Metallic Link. The cartridge is identified by a rosette crimp closure of the cartridge mouth.

The Cartridge, 5.56mm Blank M200 Single Round (DODIC A080) is used in the M16A2 Rifle and can be used in the M249 Squad Automatic Weapon (SAW) Machine Gun with a magazine. It is designed to simulate firing during training exercises. The cartridge can be identified by a rosette crimp closure of the cartridge mouth.

Exhibit P-40a, Budget Item Just:			regated I	Items			Date: FEBRUARY 2	005	
Appropriation Code/Budget Activity/Ser Procurement of Ammunition, Navy and Ma	rial Numbe arine Corp	er: ps/2/Ammuni	tion		P-1 Item No (101000) 5				
	ID Code	FY2004	FY2005	FY2006	FY2007			To Complete	Total
CTG, 5.56MM BALL M855 (DODIC AA40)	A	0.425	0.000	0.000	0.000				
QTY		1,574,074	0	0	0				
CTG, 5.56MM MOLLY COATED (DODIC AA67)	А	0.000	1.237	0.721	0.721				
QTY		0	2,474,000	1,360,377	1,243,103				
P-40a Total		0.425	1.237	0.721	0.721				

Exhibit P-5, Cost Analysis	Weapon Sys	tem			Date: FEBRUARY 2005							
Appropriation Code/Budget Activity/Se Procurement of Ammunition, Navy and M Corps/2/Ammunition		:	ID Code: A		Item Nomenclatu 5.56MM, ALL TYP							
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE:		~ 3			~ · 4			~ 1			2 4	
CTG, 5.56MM BALL M855) (DODIC A059)												
LOAD ASSEMBLY & PACK (LAP)	16.084	54,209,375	0.30	17.688	47,695,000	0.37	26.371	113,772,000	0.23	26.334	113,612,000	0.23
BOX METAL M2A1 (EACH)	0.719	81,268	8.85	0.791	71,502	11.06	1.179	170,561	6.91	1.177	170,321	6.91
CTG, 5.56MM DUMMY (DODIC A060)												
LOAD ASSEMBLY & PACK (LAP)							0.027	108,000	0.25	0.015	57,692	0.26
CTG, 5.56MM BALL LINKED (DODIC A062)												
LOAD ASSEMBLY & PACK (LAP)				6.987	24,953,125	0.28	0.571	1,978,787	0.29			
CTG, 5.56MM 4 AND 1 LINKED (DODIC A064)												
LOAD ASSEMBLY & PACK (LAP)	0.361	1,121,212	0.33				1.131	3,311,428	0.34			
CTG, 5.56MM BLUE TIP PLASTIC (DODIC A065)												
LOAD ASSEMBLY & PACK (LAP)				0.498	1,069,230	0.48	0.513	4,396,153	0.48			
CTG, 5.56MM BLANK LINKED (DODIC A075)												
LOAD ASSEMBLY & PACK (LAP)	2.237	10,652,173	0.21	1.687	8,034,782	0.21	1.227	5,376,000	0.23			
CTG, 5.56MM BLANK (DODIC A080)												
LOAD ASSEMBLY & PACK (LAP)	1.824	20,260,000	0.09	3.119	34,650,000	0.09	1.799	18,172,727	0.10			
CTG, 5.56MM GREEN AMMO (DODIC AA45)												
LOAD ASSEMBLY & PACK (LAP)				0.705	1,194,029	0.59	0.723	2,000,000	0.36	0.758	2,047,619	0.37
PRODUCT	1											
INDUSTRIAL STOCK SUPPORT	0.3			0.57			0.489			0.198		
INTERIM TRANSPORTATION	0.047			0.056			0.284			0.069		
PRODUCTION ENGINEERING	0.289			0.897			0.552			0.328		
QUALITY ASSURANCE	0.332			0.429		_	0.629	-	_	0.334		
ACCEPTANCE TESTING				0.329			1.236			0.065		
P-5 TOTAL	22.193			33.756			36.731			29.278		
	22.173		II.	55.750			50.751		1	27.270		<u> </u>

Exhibit P-5a, Procurement History and	Planning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Se	rial Number:	l		P-1 Line	Item Nomenclature:					
Procurement of Ammunition, Navy and M		Ammunitic	n		5.56MM, ALL TYPES					
	_		<b>.</b>			•	•	1		•
				Contract Method and		RFP Issue		Date of	Tech Data Available	Date Revisions
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Туре	Contractor and Location	Date	Award Date		Now?	Available
CTG, 5.56MM BALL M855 (DODIC A059)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2004	54,209,375	0.30	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2005	47,695,000	0.37	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	JAN 05	OCT 05	YES	
FY 2006	113,772,000	0.23	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
FY 2007	113,612,000	0.23	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 07	OCT 07	YES	
BOX METAL M2A1 (EACH)										
FY 2004	81,268	8.85	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2005	71,502	11.06	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	JAN 05	OCT 05	YES	
FY 2006	170,561	6.91	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
FY 2007	170,321	6.91	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 07	OCT 07	YES	
CTG, 5.56MM DUMMY (DODIC A060)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2006	108,000	0.25	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	MAR 06	OCT 06	NO	
FY 2007	57,692	0.26	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	MAR 07	OCT 07	NO	
CTG, 5.56MM BALL LINKED (DODIC A062)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2005	24,953,125	0.28	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	MAR 05	OCT 05	YES	
FY 2006	1,978,787	0.29	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	MAR 06	OCT 06	YES	
CTG, 5.56MM 4 AND 1 LINKED (DODIC A064)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2004	1,121,212		JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2006	3,311,428	0.34	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 04	YES	
CTG, 5.56MM BLUE TIP PLASTIC (DODIC A065)		1		1						
LOAD ASSEMBLY & PACK (LAP)										
FY 2005	1,038,461		JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	MAR 05	MAR 06	YES	
FY 2006	1,069,230	0.48	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	MAR 06	MAR 07	YES	

Exhibit P-5a, Procurement History and	Planning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Ser Procurement of Ammunition, Navy and Ma		Ammunitic	n		Item Nomenclature: 5.56MM, ALL TYPES					
WBS COST ELEMENTS	Otto	Unit Cost	Location of PCO	Contract Method and Type		RFP Issue	Award Date	Date of	Tech Data Available Now?	Date Revisions Available
	Qty	Unit Cost	Location of PCO	туре	Contractor and Location	расе	Award Date	Delivery	NOW?	Available
CTG, 5.56MM BLANK LINKED (DODIC A075)										
LOAD ASSEMBLY & PACK (LAP) FY 2004	10,652,173	0.21	JMC, ROCK ISLAND, IL	CC/ED	ALLIANT TECH, INDEP, MO	OCT 03	TAN 0.4	OCT 04	YES	
FY 2005	8,034,782		JMC, ROCK ISLAND, IL	SS/FP SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	JAN 04 JAN 05	OCT 05	YES	
FY 2006	5,376,000		JMC, ROCK ISLAND, IL	SS/FP SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
F1 2000	3,370,000	0.23	OME, ROCK ISLAND, IL	33/14	ADDIANT IECH, INDEP, MO	OTMINIMOMIN	UAM UO	001 00	120	
CTG, 5.56MM BLANK (DODIC A080)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2004	20,260,000	0.09	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2005	34,650,000	0.09	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	JAN 05	OCT 05	YES	
FY 2006	18,172,727	0.10	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
CTG, 5.56MM GREEN AMMO (DODIC AA45)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2005	1,194,029	0.59	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	JAN 05	OCT 05	YES	
FY 2006	2,000,000	0.36	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
FY 2007	2,047,619	0.37	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 07	OCT 07	YES	

Exhibit P-21, Production Schedule														Dat		RY 2	200!	5												
Appropriation Code/Budget Activity/Seria Procurement of Ammunition, Navy and Mari				mmuni	tion	n				Wea Sys				P-1	Li	ne :	Iter	n DC								S				
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Item		fact	urer's	Name	and				SR	EC				ALT			ALT	Afte	er	Inti Mfg	itia	1		rder PLT		Tota	al	Unit Meas		
A059	ALL	IANT	TECH,	INDE	P, MC	)		(	0	19	. 4	67	.5		4			4			9			9		1	.3		М	
						Fis	cal	Year	200	4								Fisc	al	Year	200	)5								
									Cale	enda	r Yea	ar 2	004								Cale	enda	r Ye	ar 2	2005					
	F Y	S V	Q T Y	D E L	B A L	0 C T	N O	D E C	J A	FE	M A R	A P R	M A	J	J U L	A U G	S E P	0 C T	N O V	D E C	J A	F E B	M A	A P R	M A	J U N	J U L	A U G	S E P	ВА
Item		С				Т	V	C.	N	В	R	R	Y	N	Ъ	G	Р				N		R		Y					L
A059	2004		54.2	0.0					A									4.5	4.5	4.5		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.7	0.0
	2005		47.7	0.0																	A									47.7
	2006	1	114.0	0.0																										114.0
	2007	MC	114.0	0.0	####																									114.0
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	1	S	Q	D	В	0	N	D	J	F	М	A	М	J	J	A	S	0	N	D	J	F	М	А	M	J	J	А	S	В
Item	F Y	V C	T Y	E L	A L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	A L
A059	2004		54.2	54.2							10		-			Ü	_	_					10					J	_	0.0
	2005		47.7	0.0		4	4	4	4	4	4	4	4	4	4	4	3.7													0.0
	2005		114.0	0.0				_	A	1	-	-	-			1	3.7	10	10	10	10	10	10	10	10	10	10	10	4	0.0
	2007	1	114.0	0.0														10	10	10	A	10	10	10	10	10	10	10	1	114.0
					1																									
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Exhibit P-21, Production Schedule														Dat FER	ce: BRUA	RY	2005	5												
Appropriation Code/Budget Activity/Seria Procurement of Ammunition, Navy and Mari				nmuni	tio	n				Wea Sys					L Li:											S				
									PRO	DUCT:	ION	RATE	3				PRO	CURE	MEN.	Γ LE.	ADTI	MES								
Item		fact tion	urer's	Name	and			MS	SR	EC	!ON	М	AX		Pri Oct		ALT to C			Int:			Reo Mfg			Tota	al		t of sure	
A059	ALL	IANT	TECH,	INDE	P, MC	)		(	)	19	. 4	67	7.5		4			4			9			9		1	13		М	
						Fis	cal	Year	200	8								Fisc	al	Year	200	9								
		1							Cal	enda	r Ye	ear 2	2008		•					•	Cale	enda	r Ye	ar :	2009					
Item	F Y	S V C	Q T Y	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
A059	2004		57.8	57.8	0.0	1	V	C	IN	ь	А	Л	1	IN	ш	G	Р	1	V	C	IN	ь	А	А	+1	IN		G	P	0.0
AUJ	2004		48.0	48.0																					+					0.0
	2006		114.0	114.0																					1	<u> </u>	<u> </u>			0.0
	2007		114.0		####	10	10	10	10	10	10	10	10	) 10	10	10	4								1					0.0
						Fis	cal	Year	201	LO								Fisc	al `	Year	201	.1								
									Cal	enda	r Ye	ear 2	2010								Cale	enda	r Ye	ar 2	2011					
						_			_	_					_							_		_						_
	F	s V	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J	J U	A U	S E	0 C	N O	D E	J A	F E	M A	A P		J U	J U	A U	S E	B A
Item	Y	С	Y	L	L	Т	V	С	N	В	R		Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	Р	L
A059	2004	MC	57.8	57.8	0.0								ļ												$\perp$	igspace	igspace	<u> </u>		0.0
	2005	MC	48.0	48.0	0.0								ļ												₩	—	—	<u> </u>		0.0
	2006		114.0	114.0	0.0							-	<u> </u>										<u> </u>		₩	$\vdash$	$\vdash$	<u> </u>		0.0
	2007	MC	114.0	114.0	0.0																				+	$\vdash$	$\vdash$	<u> </u>	$\sqcup$	0.0
												-	-												+-	$\vdash$	$\vdash$	<u> </u>	$\vdash \vdash$	-
	1											-	<u> </u>										-		+-	$\vdash$	$\vdash$	<u> </u>	$\vdash \vdash$	-
	1											-	<u> </u>										-		+-	$\vdash$	$\vdash$	<u> </u>		-
	1	<u> </u>			<u> </u>	<u> </u>	<u> </u>			<u> </u>	<u> </u>	1	<u> </u>		<u> </u>								<u> </u>		<b>⊥</b>	<b>↓</b>	<b>↓</b>	<u> </u>	Ш	

Exhibit P-40, Budget	Item Jus	tificatio	n				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio	-			ition	P-1 Item N (102000) 7						
Program Element for Code	B Items:			Other Rela	ited Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	6.139	8.674	13.731	7.958	0.090	9.838	5.154	13.884		65.468

Description: Cartridge, 7.62 MM ball (DODIC A102) intermediate designed for AK47 rifle packaged 20 rounds per carton/ 50 cartons per wooden box.

The Cartridge, 7.62mm Blank M82 Linked (DODIC All1) is used with blank firing attachments to simulate firing during training exercises with the M240 Machine Guns. The M82 Blank Round consists of a brass cartridge case loaded with a primer and propellant composition. The case is shaped approximately to the configuration of the combat cartridge with no bullet. The propellant is held in the case by a wad, and on newer lots the mouth is sealed with purple lacquer and crimped for protection against air and moisture.

The Cartridge, 7.62mm 4 Ball M80/1 Tracer M62 Linked (DODIC A131) is mainly used in the M240 Machine Guns against personnel and unarmored targets. The M80 and M62 cartridges consist of a lead-styphnate primer and are loaded with propellant composition. The bullets are composed of a metal-clad steel jacket with a lead-antimony slug. The M80 Ball round consists of a brass cartridge case and an unpainted bullet. The M62 Tracer round consists of a brass cartridge case and a bullet with an orange tip for identification. The M62 Tracer round is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact, target designation, or range estimation.

The Cartridge, 7.62mm Ball M80 Linked (DODIC A143) is used mainly in the M240 machine guns against personnel and unarmored targets. The DODIC A143 is used to augment DODIC A131 as dictated by local fire conditions. The M80 Ball consists of a brass cartridge case and an unpainted bullet. The cartridge case contains a lead-styphnate primer containing propellant. The bullet is composed of a metal-clad steel jacket with a lead-antimony slug.

The Cartridge, 7.62mm 4 M80 Ball/1 M62 Tracer Linked (DODIC Al51) is mainly used in the M240 Machine Gun for training when overhead fire is required. The M80 and M62 Cartridges consist of a lead-styphnate primer and is loaded with propellant composition. The bullets are composed of a metal-clad steel jacket with a lead-antimony slug. The M80 Ball round consists of a brass cartridge case and an unpainted bullet. The M62 Tracer round consists of a brass cartridge case and a bullet with an orange tip for identification. The M62 Tracer round is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact, target designation, or range estimation.

The Cartridge, 7.62mm Long Range M118 LR (DODIC AA11) is intended for long-range sniper and match firing and is used in the M86 Sniper and the M14 Rifles. This cartridge is used in training and for missions demanding accurate single fire that typically involves sniper and marksmanship applications. The M118 Round consists of a brass cartridge case, a primer, WC-750 propellant and projectile. The projectile consists of a copper alloy jacket surrounding a lead slug, and has an unpainted bullet.

20-102000 Exhibit P-40
BLIN: 102000 PAGE 1 OF 6 Budget Item Justification

Exhibit P-40a, Budget Item J			Aggregated	litems					Date: FEBRUARY 2	2005	
Appropriation Code/Budget Activity Procurement of Ammunition, Navy an	y/Serial Nu nd Marine C	mber: orps/2/Ammu	unition		P-1 Item N (102000) 7						
Procurement Items	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
A102, CTG, 7.62MM X 39 FOR AK-47 (DODIC A102)	А	0.000	2.457	0.980	0.000						
QTY		0	1,260,000	490,000	0						
P-40a Total		0.000	2.457	0.980	0.000						
	1	1	1		02000	1	1	1	-t	1	Exhibit P-40a

20-102000 PAGE 2 OF 6 Exhibit P-40a Budget Item Justification for Aggregated Items

Exhibit P-5, Cost Analysis								Date: FEBRUARY 200	5			
Appropriation Code/Budget Activity/Ser: Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ial ID Code: A		Item Nome 7.62MM, A		:							
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
CTG, 7.62MM, BLANK LINKED (DODIC A111)												
HARDWARE:												
LOAD ASSEMBLY & PACK (LAP)	1.246	5,191,666	0.24									
CTG, 7.62MM 4 & 1 LINKED (DODIC A131)												
HARDWARE:												
LOAD ASSEMBLY & PACK (LAP)	3.943	9,617,073	0.41	5.696	13,246,511	0.43	7.23	14,755,102	0.49	6.851	13,702,000	0.50
CTG, 7.62MM BALL LINKED (DODIC A143)												
HARDWARE:												
LOAD ASSEMBLY & PACK (LAP)							2.457	5,341,304	0.46			
CTG, 7.62MM, 4 & 1 LINKED (DODIC A151)												
HARDWARE:												
LOAD ASSEMBLY & PACK (LAP)							0.910	2,022,222	0.45	0.455	910,000	0.50
CTG, 7.62MM BALL LONG RANGE (DODIC AA11)												
HARDWARE:												
LOAD ASSEMBLY & PACK (LAP)	0.464	1,031,111	0.45				1.306	2,251,724	0.58			
PRODUCT:												
INDUSTRIAL STOCK SUPPORT	0.201			0.223			0.343			0.279		
PRODUCTION ENGINEERING	0.19			0.191			0.35			0.243		
QUALITY ASSURANCE	0.095			0.107			0.155			0.13		
P-5 Total	6.139			6.217	20-102000		12.751			7.958		chibit P-5

20-102000 Exhibit P-5
BLIN: 102000 PAGE 3 OF 6 Cost Analysis

Exhibit P-5a, Procurement History and Plan	ning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial					Item Nomenclatur					
Procurement of Ammunition, Navy and Marine	Corps/2/Amm	unition		(102000)	7.62MM, ALL TYPE	ES				
	1				1		I			
				Contract Method and	Contractor and	RFP Issue		Date of First	Tech Data Available	
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Type	Location	Date	Award Date	Delivery	Now?	Available
CTG 7.62 MM BLANK M82 LINKED/M13 (DODIC A111)										
LOAD ASSEMBLY & PACK (LAP)										+
LOAD ASSEMBLI & PACK (LAP)		1				-				+
					ALLIANT TECH,	00				
FY 2004	5,191,666	0.24	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	OCT 03	JAN 04	OCT 04	YES	+
CTG 7.62MM 4 BALL/1 TRACER LINKED (DODIC A131)	ļ				ļ	1				1
LOAD ASSEMBLY & PACK (LAP)										
					ALLIANT TECH,					
FY 2004	9,617,073	0.41	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
					ALLIANT TECH,					
FY 2005	13,246,511	0.43	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	OCT 04	JAN 05	OCT 05	YES	
					ALLIANT TECH,					
FY 2006	14,755,102	0.49	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
					ALLIANT TECH,					
FY 2007	13,702,000	0.50	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	UNKNOWN	JAN 07	OCT 07	YES	
CTG, 7.62MM BALL LINKED (DODIC A143)										
LOAD ASSEMBLY & PACK (LAP)										
					ALLIANT TECH,					
FY 2006	5,341,304	0.46	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
CTG 7.62MM 4 BALL/1 TRACER LINKED (DODIC A151)										+
		1								+
LOAD ASSEMBLY & PACK (LAP)		<b>+</b>						<b>+</b>		+
FY 2006	2,022,222	0.45	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
FY 2006	2,022,222	0.45	JMC, ROCK ISLAND, IL	55/FP		UNKNOWN	JAN 06	001 06	YES	+
FY 2007	910,000	0.50	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 07	OCT 07	YES	
11 2007	910,000	0.50	ONC, KOCK ISLAND, IL	97/00	INDEF, PIO	OTATANOWIN	UMN U/	001 07	150	+
						+				+
CTG 7.62MM BALL LONG RANGE (DODIC AA11)	1				1	1			1	+
LOAD ASSEMBLY & PACK (LAP)						1				
					ALLIANT TECH,					
FY 2004	1,031,111	0.51	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	OCT 03	JAN 04	OCT 04	YES	+
	0 051 50	0.50	TWG DOGW TGT 13-	00/75	ALLIANT TECH,		7337 05	0.0m 0.5		
FY 2006	2,251,724	0.58	JMC, ROCK ISLAND, IL	SS/FP	INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	+
						1				
										1
										+
	l	<u> </u>	l	1	L	<u> </u>	<u> </u>	l	1	

20-102000 Exhibit P-5a

BLIN: 102000 PAGE 4 OF 6 Procurement History and Planning

Exhibit P-21, Production Schedule														Dat FEB		RY	200	5												
Appropriation Code/Budget Activity/Seria Procurement of Ammunition, Navy and Mari				Ammu	ıniti	on					apon stem													atuı ALL		PES,	4	& 1	LIN	IKED
									PROI	DUCT	ION	RATE					PRO	CURE	EMEN'	T LE	ADTI	MES								
Item		ıfact ıtion	urer's	s Nam	me and	i		MS	SR	EC	CON	Mž			Pri Oct			Aft Oct		Inti Mfg				rder PLT		Tota	al	-	t of sure	
A131	ALLI	ANT	TECH,	INDE	EPENDA	ANCE	, MO	(	)	19	.4	67	.5		4			4			9			9		1	13	▙	N	4
						Fisc	cal :	Year	200	4								Fisc	cal	Year	200	)5				<u></u>		<u></u>		
									Cale	enda	r Ye	ar 2	004								Cale	enda	ır Ye	ear 2	2005					•
Item	F Y	S V C	Q T Y	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R		M A Y	J U N	J U L	A U G	S E P	B A L
A131	2004	1	9.61				V		A	Ь	10	10	1	IN	п	0						1	1	1	1	3 0.83				0.00
	2005	1			13.24																A									13.24
	2006	MC	14.76	0.00	14.76																									14.76
	2007	MC	13.70	0.00	13.70																						$oxed{oxed}$	$oxed{oxed}$		13.70
		$oxed{oxed}$																							<u> </u>	<u>L</u>	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$		
						Fis	cal :	Year	200	6								Fisc	cal	Year	200	7								
					ı				Cale	enda	r Ye	ar 2	006						1	ı	Cale	enda	r Ye	ear 2	2007		_	_		
Item	F Y	s V C	Q T Y	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	P	M A Y	J U N	J U L	A U G	S E P	B A L
A131	2004	1	9.61			<b>-</b>	•		14		10	10	_	14		J	_	-	•	-			10	1	Ť	1	Ť			0.00
	2005		13.24		13.24		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1													0.00
	2006	MC	14.76	0.00	14.76				А									1.2	1.2	1.2	1.2	1.2	2 1.2	1.2	1.2	1.2	1.2	1.2	1.6	0.00
	2007	MC	13.70	0.00	13.70																A			<u> </u>	<u> </u>	<u> </u>	$\perp$	$\perp$		13.70
		<u> </u>																									<u> </u>	<u> </u>		

20-102000 PAGE 5 OF 6 Exhibit P-21

Production Schedule

Exhibit P-21, Production Sc	hedule													Dat FEE		RY	200!	5												
Appropriation Code/Budget A Procurement of Ammunition,				Ammur	nitio	on					apon stem													atur ALL		ES,	4 (	& 1	LIN	KED
									PROI	DUCT	TON	RATE	:				PRC	CIIRI	MEN	T LE	ודתב	IMES								
Item	Manu Loca		urer'	s Nam	ie and	i		М	SR		CON		AX		Pri Oct		ALT		er	Int Mfg	itia	ıl		rder PLT		Tota	al	Unit		
A131	ALLI	ANT	TECH,	INDE	PENDA	ANCE	, MO		0	19	9.4	67	7.5		4			4			9			9		1	13	<u> </u>	M	
						Fis	cal	Year	. 200	18								Fis	al	Year	. 200	0.9						<u> </u>		
										enda	r Ye	ar 2	2008										r Ye	ear 2	2009					
	F	s V	Q T	D E	B A	O C	N O	D E	J A	F E	M	A P	M A	J	J U	A U	S E	O C	N O	D E	J A	F E	M A		M A	J	J	A U	S E	В
Item	Y	C	Y	L	L	Т	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	L
A131	2004		9.61		0.00																			_				ļ	$\square$	0.00
	2005			13.24	0.00																			+-			—	<u> </u>	$\longmapsto$	0.00
	2006			14.76	0.00																			₩			₩	<del>                                     </del>	$\longmapsto$	0.00
	2007	MC	13.70	0.00	13.70	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.5							$\vdash$			$\vdash$		$\vdash \vdash$	0.00
																								<del>                                     </del>			$\vdash$		$\vdash \vdash$	
																								1						
	<u> </u>		ı			Fis	cal	Year	201	.0								Fis	cal	Year	20:	11								
									Cal	enda	r Ye	ar 2	2010								Cal	enda	r Ye	ear 2	2011					
	F	s V	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S E	0 C	N O	D E	J A	F E	M A		M A	J	J	A U	S E	B A
Item	Y	C	Y	L	L	Т	V	C	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R		Y	N	L	G	P	L
A131	2004	MC	9.61	9.61	0.00																									0.00
	2005	MC	13.24	13.24	0.00																									0.00
	2006	MC	14.76	14.76	0.00																						$oxed{oxed}$		Ш	0.00
	2007	MC	13.70	13.70	0.00																			<u> </u>			igspace	<u> </u>	Ш	0.00
																								$\vdash$			$\vdash$	<u> </u>	$\vdash \vdash$	
																								+			$\vdash$		$\vdash \vdash$	
	<b>'</b>	•							20-1	0200	0					•							•	-			-	Exi	ıibit	P-21

20-102000 PAGE 6 OF 6

Exhibit P-40, Budget	Item (	Justifica	ation				Date:				
							FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunition		-			P-1 Item 1 (103000) I		re: RGES, ALL T	YPES			
Program Element for Code	B Items	;:		Other Relate	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost.	A	21.310	17.718	38.761	35.000	39.204	35.498	39.397	35.683		262.571

Description: The Rocket Motor, 5-inch MK22 Mod 4 (DODIC J143) is a solid-fuel motor used for towing M58, M59, M68A2, and M69 Linear Demolition Charges (LDCs) into the air over obstacles or minefields for breaching, training, or test applications. It has a tractor motor design which incorporates two forward mounted, rearward facing, exhaust nozzles which are threaded into the motor headcap.

The Charge, Demolition High Explosive Linear M58A4 (DODIC M913) is a trailer-mounted and rocket-towed linear demolition charge designed to provide a clear path for combat vehicles during minefield and barrier breaching operations. The M58 is capable of clearing a path up to 46-feet wide and 350-feet long through a minefield. The arresting cable is a nylon rope that provides a standoff distance between the vehicle and the explosion. The demolition section consists primarily of a 3/4-inch nylon core rope, 700 composition C4 demolition blocks, and two strands of pentaerythritol tetranitrate (PETN) detonating cord. The blocks are sheathed with an outer layer of nylon. The two strands of detonating cord pass through the entire length of the demolition section. The demolition section and the arresting cable are coiled inside the container. Most of the arresting cable is beneath the demolition section. The fuze, which is packaged, is normally on top of the coiled demolition section.

The Charge, Demolition Inert Linear M68A2 (DODIC M914) is a trailer-mounted and rocket-towed inert linear demolition charge designed to simulate the launch and deployment characteristics of the M58A4 linear demolition charge for the purpose of training. The inert linear demolition charge is an exact replica of the M58A4 linear demolition charge (i.e., same size, shape, and weight). The arresting cable is a nylon rope that provides a standoff distance between the vehicle and the inert demolition section. The inert demolition section is composed of rubber blocks instead of C4 blocks and a M1147 Inert Fuze is used in place of the M1134 Series Fuze. The blocks are sheathed with an outer layer of nylon.

The Linear Demolition Charge M59Al (DODIC ML25) is a rocket-towed, linear demolition charge designed to provide a clear path for combat vehicles during minefield and barrier breaching operations. The M59 is capable of clearing a path up to 46-feet wide and 350-feet long through a minefield. The arresting cable is a nylon rope that provides a standoff distance between the vehicle and the explosion. The demolition section consists primarily of a 3/4-inch nylon core rope, 700 composition C4 demolition blocks, and two strands of pentaerythritol tetranitrate (PETN) detonating cord. The blocks are sheathed with an outer layer of nylon. The two strands of detonating cord pass through the entire length of the demolition section. The demolition section and the arresting cable are coiled inside the container. Most of the arresting cable is beneath the demolition section. The fuze, which is packaged, is normally on top of the coiled demolition section.

The MK7 MOD2 mine clearing system, Anti-Personnel Obstacle Breaching System (APOBS) (DODIC MN79) consists of a line charge assembly and a fuze/rocket motor assembly. This item is a lightweight, self-contained, one-shot expendable system that is transported and deployed by a two-man team. APOBS uses the MK126 MOD1 rocket motor to propel a line charge over the obstacle. It is employed in combat operations to breach a lane through wire and anti-personnel mine obstacles.

21-103000 Exhibit P-40
PAGE 1 OF 6 Budget Item Justification

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				enclature: HARGES, AL								
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
ROCKET MOTOR, 5 INCH (DODIC J143)												
LOAD ASSEMBLE & PACK	1.628	229	7109.17	1.630	221	7375.57						
EC INHIBITING TAPE (LB)	0.019	631	30.11	0.019	609	31.20						
PROPELLANT 5-5 (LB)	0.271	16,826	16.11	0.271	16,238	16.69						
CHG DEMO LINEAR HE (DODIC M913)												
LOAD ASSEMBLE & PACK	2.919	211	13836.97	2.464	157	15694.270	1.663	101	16465.35			
COMP C4 CLASS 3 (LB)	3.292	358,700	9.18	2.779	266,900	10.41	1.875	171,700	10.92			
FUZE, ELECTRIC M1134A4 (EA)	0.354	211	1681.19	0.299	157	1904.46	0.202	101	2000.00			
CHG DEMO LINEAR INERT (DODIC M914)												
COMPLETE ROUND							0.375	15	25000.00			<u> </u>
CHG DEMO LINEAR HE LVT (DODIC ML25)												
LOAD ASSEMBLE & PACK	5.485	318	17248.43	3.486	204	17088.24						
COMP C4 CLASS 3 (LB)	4.324	556,500	7.77	2.748	357,000	7.70						
FUZE, ELECTRIC M1134A4 (EA)	0.588	318	1849.06	0.374	204	1833.33						
APERS OBSTACLE BREACHING SYS (DODIC MN79)												
LOAD ASSEMBLE & PACK	3.299	354	9319.21	4.117	500.00	8234.00	32.02	3,246	9864.45	32.02	3,154	10152.19
PRODUCT												
ACCEPTANCE TESTING	0.046			0.033			0.011					
INTERIM TRANSPORTATION	0.005			0.005								
PRODUCTION ENGINEERING	0.364			0.376			1.999			1.941		
QUALITY ASSURANCE	0.283			0.283			1.080			1.039		
GOVERNMENT FURNISHED MATERIAL	-1.567			-1.166			-0.464					
TOTAL BLIN: 103000	21.310			17.718 <b>21-103000</b>		<u> </u>	38.761			35.000	173	xhibit P-5

21-103000 BLIN: 103000 Exhibit P-5 PAGE 2 OF 6 Cost Analysis

Exhibit P-5a, Procurement History and Pla	anning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Procurement of Ammunition, Navy and Marin		 /Ammuniti	on		Item Nomenclatur LINEAR CHARGES,		S			
				Contract Method	Contractor and	RFP Issue		Date of First	Tech Data Available	Date Revisions
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	and Type	Location	Date	Award Date	Delivery	Now?	Available
ROCKET MOTOR, 5 INCH (DODIC J143)										
LAP COMPLETE ROUND J143										
FY 2004	229	7109.17	JMC, ROCK ISLAND, IL	C/FFP	NSWC, INDIAN HEAD, MD	OCT 03	DEC 03	OCT 05	YES	
FY 2005	221	7375.57	JMC, ROCK ISLAND, IL	C/FFP	NSWC, INDIAN HEAD, MD	OCT 04	DEC 04	OCT 06	YES	
EC INHIBITING TAPE (LB)					ALL TAND DEGIL					
FY 2004	631	30.11	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, RADFORD, VA ALLIANT TECH,	OCT 03	DEC 03	OCT 05	YES	
FY 2005	609	31.20	JMC, ROCK ISLAND, IL	C/FFP	RADFORD, VA	OCT 04	DEC 04	OCT 06	YES	
PROPELLANT N-5 (LB)										
FY 2004	16,826	16.11	JMC, ROCK ISLAND, IL	C/FFP	BAE HOLSTON AAP, KINGSPORT, TN	OCT 03	DEC 03	OCT 05	YES	
FY 2005	16,238	16.69	JMC, ROCK ISLAND, IL	C/FFP	BAE HOLSTON AAP, KINGSPORT, TN	OCT 04	DEC 04	OCT 06	YES	
CHG DEMO LINEAR (DODIC M913)										
LAP COMPLETE ROUND M913										
FY 2004	211	13836.97	JMC, ROCK ISLAND, IL	C/FFP	American Ordnance MILAN, TN	OCT 03	MAR 04	AUG 05	YES	
FY 2005	157	15694.27	JMC, ROCK ISLAND, IL	C/FFP	American Ordnance MILAN, TN  American Ordnance	OCT 04	MAR 05	AUG 06	YES	
FY 2006	101	16465.35	JMC, ROCK ISLAND, IL	C/FFP	MILAN, TN	UNKNOWN	MAR 06	AUG 07	YES	
COMP C4 CLASS 3 (LB)										
FY 2004	358,700	9.18	JMC, ROCK ISLAND, IL	C/FFP	BAE HOLSTON AAP, KINGSPORT, TN	OCT 03	MAR 04	AUG 05	YES	
FY 2005	266,900	10.41	JMC, ROCK ISLAND, IL	C/FFP	BAE HOLSTON AAP, KINGSPORT, TN	OCT 04	MAR 05	AUG 06	YES	
FY 2006	171,700	10.92	JMC, ROCK ISLAND, IL	C/FFP	BAE HOLSTON AAP, KINGSPORT, TN	UNKNOWN	MAR 06	AUG 07	YES	
FUZE, ELECTRIC M1134A4 (EA)			·							
FY 2004	211	1681.19	JMC, ROCK ISLAND, IL	C/FFP	CRANE AAP, CRANE, IN	OCT 03	MAR 04	AUG 05	YES	
FY 2005	157	1904.46	JMC, ROCK ISLAND, IL	C/FFP	CRANE AAP, CRANE, IN	OCT 04	MAR 05	AUG 06	YES	
FY 2006	101	2000.00	JMC, ROCK ISLAND, IL	C/FFP	CRANE AAP, CRANE, IN	UNKNOWN	MAR 06	AUG 07	YES	
CHG DEMO LINEAR INERT (DODIC M914)		-						-		
LAP COMPLETE ROUND M914										
FY 2007	15	25000.00	JMC, ROCK ISLAND, IL	C/FFP	American Ordnance MILAN, TN	UNKNOWN	APR 06	MAY 07	NO	
		<u> </u>	21-103000				<u> </u>	]	E:	xhibit P-5a

Exhibit P-5a, Procurement History and Planning		Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Number Procurement of Ammunition, Navy and Marine Corps		ion			Item Nomenclature: LINEAR CHARGES, AI					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
CHG DEMO LINEAR (DODIC ML25)										
LAP COMPLETE ROUND ML25										
FY 2004	318	17248.43	JMC, ROCK ISLAND, IL	C/FFP	AMERICAN ORDNANCE MILAN, TN	OCT 03	MAR 04	AUG 05	YES	
FY 2005	204	17088.24	JMC, ROCK ISLAND, IL	C/FFP	AMERICAN ORDNANCE MILAN, TN	OCT 04	MAR 05	AUG 06	YES	
COMP C4 CLASS 3 (LB)										
FY 2004	556,500	7.77	JMC, ROCK ISLAND, IL	C/FFP	BAE HOLSTON AAP, KINGSPORT, TN	OCT 03	MAR 04	AUG 05	YES	
FY 2005	357,000	7.70	JMC, ROCK ISLAND, IL	C/FFP	BAE HOLSTON AAP, KINGSPORT, TN	OCT 04	MAR 05	AUG 06	YES	
FUZE, ELECTRIC M1134A4 (EA)										
FY 2004	318	1849.06	JMC, ROCK ISLAND, IL	C/FFP	CRANE AAP CRANE, IN	OCT 03	MAR 04	AUG 05	YES	
FY 2005	204	1833.33	JMC, ROCK ISLAND, IL	C/FFP	CRANE AAP CRANE, IN	OCT 04	MAR 05	AUG 06	YES	
APERS OBSTACLE BREACHING SYS (DODIC MN79)										
LAP COMPLETE ROUND MN79										
FY 2004	354	9319.21	MCSC, QUANTICO, VA	C/FFP	ENSIGN-BICKFORD GRAHAM, KY	OCT 03	DEC 03	JUN 04	YES	
FY 2005	500	8234.00	MCSC, QUANTICO, VA	C/FFP	ENSIGN-BICKFORD GRAHAM, KY	OCT 04	DEC 04	JUN 05	YES	
FY 2006	3,246	9873.57	MCSC, QUANTICO, VA	C/FFP	UNKNOWN	UNKNOWN	DEC 05	JUN 06	YES	
FY 2007	3,154	10158.63	MCSC, QUANTICO, VA	C/FFP	UNKNOWN	UNKNOWN	DEC 06	JUN 07	YES	
									<u> </u>	Exhibit P-5a

Exhibit P-5a

Exhibit P-21, Production Schedule														Dat		DV	200	F												
																RY														
Appropriation Code/Budget Activity/Seria				) / m -							apon												encl			חחח	33 OTT	TATO	0370	
Procurement of Ammunition, Navy and Mari	ne (	Jor	ps/2	∠ / Aĭ	ıımu:	ultl	Lon			SYS	stem			(10	300	U)	טט.	DTC.	· MI	N/9,	, Al	LEKS	OB	STA	СЬЕ	RKE	EACH	TNG	SYS	
		_							PROI	DUCT:	ION :	RATE					PRC	CURI	EMEN	T LE	ADTI	MES								
																												Unit		
			Manı											ALT				Aft		Int			Reo					Meas	ure	
Item			1			ocati		M	SR	EC	CON	M	AX	to C	oct :	1	to (	Oct	1	Mfg	PLT	'	Mfg	PLT	'	Tota	al			
MN79						CKFC Y, C'		0	.1	1	.5	٥	. 3		3			3			6			6		١,	9		K	
PIN / 5				SIME	JDUK	1, C.	1	0			. 5	0	. 3		3			3			0			0			-		Λ.	
						Fis	cal	Year	200	4								Fisc	al '	Vear	200	)5				<u> </u>		—		_
						1110		rcur			r Ye	ar 2	:004										r Ye	ar 2	2005					
											1										00.2									_
	F	S V	Q T	D E	B A	0	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A		M A	J U	J U	A U	S E	B A
Item	Y	C	Y	L	L	Т	v	C	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R		Y	N	L	G	P	L
MN79	04	MC	0.35	0.00	0.3	5		A						0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02				(	0.0
	05	MC	0.50	0.00	0.5	)														А						0.04	0.04	0.04	0.04	).3
	06	MC	3.25	0.00	3.2	5																							:	3.2
	07	MC	3.15	0.00	3.1	5																								3.1
							cal	Year	200	6								Fisc	cal '	Year	200	)7					<u> </u>			
						· I			Cal	enda	r Ye	ar 2	006								Cal	enda	r Ye	ar 2	2007					
	1	S	Q	D	В	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D E	J	F	M	A		J	J	A	S	В
	F Y	V C	T Y	E L	A L	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	A L
MN79			0.35																											0.00
		1				10.04	0.04	0.04	0.04	0.04	0.04	0.04	0.06																	0.0
	06	MC	3.25	0.00	3.2	5		А						0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.28				(	0.00
		1	3.15	1	_															А							0.26	0.26	0.26	2.11
L	L	1			-			21	-103	000										L		1	1		1			Exhib		

Exhibit P-21, Producti	on Schedule													Dat FEE		RY	200	5												
Appropriation Code/Bud Procurement of Ammunit					Amm	uni	tion	n			apon							m DC				-	-			BRE	EACH	IING	SY	S
									PROD	OUCT:	ION	RATE	:				PRC	CURE	MEN	r LE	ADTI	MES								
Item				ıfact Loca			Name	M	SR	EC	CON	M.	AX	ALT to (	Pri Oct			Afte Oct 1		Inti Mfg			Reon Mfg	rder PLT		Tota	al	Unit Meas		
MN79				NSIGI SIMS				0	.1	1	. 5		3		3			3			6			6			9		K	
						Fis	cal	Year	200	8								Fisc	al :	Year	200	9								
									Cale	enda	r Ye	ar 2	2008								Cale	enda	r Ye	ar 2	2009					
	F		Т	D E	ВА	0	N O	D E	J A	F E	M A	A P	M A	J U	J	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	ВА
Item	Y			L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
MN79	04			0.35																										0.00
	05			0.50																										0.00
			3.25																											0.00
	07	MC	3.15	1.04	1 2.1	1 0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.29																	0.00
						T-1	1		201	^								Fisc	1		201									
						Fis	Cal	rear			r Ye	ar 2	2010					Fisc	aı	rear			r Ye	ar 2	2011					
									Cui												Cui		1							
	F		Т	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S	B A
Item	Y			L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
MN79		MC		0.35																										0.00
	05			0.50																										0.00
		MC MC		3.25																										0.00
	07	MC	3.15	3.15	0.00	1		21	-1030	000	L	l	L	L	<u> </u>	1	l			l		<u> </u>	L			L	L	Exhil	bit.	P-21

Exhibit P-40, Budget	Item Jus	stificati	.on				Date: FEBRUARY 20	)5			
Appropriation Code/Budget Procurement of Ammunition	_				P-1 Item Not (104000) .5						
Program Element for Code	B Items:			Other Rela	ted Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	8.058	1.891	34.882	6.471	20.617	39.221	9.425	23.027		143.592

Description: The Cartridge, Caliber .50 M33 Linked (DODIC A555) is used in M2 .50 Caliber Machine Guns to augment DODIC A576 as dictated by local fire conditions. The cartridges are 5.45 inches long with a brass case and are linked together with the M2 cartridge link, 100 rounds to a belt. The projectile is a steel core bullet with a copper-alloy jacket. The Bare copper (non-painted) projectile tip identifies the M33 Cartridge.

The Cartridge, Caliber .50 4 API M8/1 API-T M20 Linked (DODIC A576) is used in M2 .50 caliber Machine Guns against armored targets. Upon impact with the target, the incendiary mixture bursts into flames and ignites the flammable material. The cartridges are linked with the M2 Link. The cartridges are 5.45 inches long with a brass case and are linked four M8 Armor Piercing Incendiary cartridges to one M20 Armor Piercing Incendiary Tracer cartridge. The projectile for the M8 Cartridge is a metal-jacketed bullet with a hardened core of manganese-molybdenum steel, a point filler incendiary composition and a base filler seal of lead antimony. The projectile for the M20 Cartridge is similar to the M8 Bullet but with a tracer element. An aluminum-colored tip on the projectile identifies the M8 Cartridge and a red tip with aluminum-colored stripe to the rear of the red tip identifies the M20 Cartridge.

The Cartridge, Caliber .50 Blank M1A1 Linked (DODIC A598) is used to simulate firing in training exercises using the M2 Machine Guns. The M1A1 Cartridge is identified by the absence of a bullet.

The Cartridge, Caliber .50 4 API M8/1 API-T M20 Linked (DODIC X576) is used in M2 .50 caliber Machine Guns against armored targets in a training unique environment. This cartridge is certified for overhead fire of unprotected friendly troops. The cartridge will provide the same capability as DODIC A576, which upon impact with the target, the incendiary mixture bursts into flames and ignites the flammable material.

The Cartridge, Caliber .50 API Single Round (DODIC X606) is used in the M82A3 Special Application Scoped Rifle (SASR) sniper rifle against armored targets in a training unique environment. This cartridge is certified for overhead fire of unprotected friendly troops. The cartridge will provide the same capability as DODIC A606, which provides penetration, fragmentation, and fire starting capabilities upon impact of target.

22-104000 PAGE 1 OF 5 Exhibit P-40 Budget Item Justification

Exhibit P-40a, Budget Item Justif		or Aggre	gated Ite	ms				Date: FEBRUARY 2	2005	
Appropriation Code/Budget Activity/Seri Procurement of Ammunition, Navy and Mar	al Number: ine Corps/2	/Ammunitio	n		P-1 Item N (104000) .	Jomenclature 50 CALIBER	e:			
Procurement Items	ID Code	FY2004	FY2005	FY2006	FY2007				To Complete	Total
CTG, CAL .50 SNIPER CLR F/OVRHD FIRE	А	0.000	0.000	0.244	0.244					
)TY		0	0	88,727	87,142					
?-40a Total		0.000	0.000	0.244	0.244					ibit P-4

22-104000

BLIN: 104000 PAGE 2 OF 5

Exhibit P-5, Cost Analysis	Weapon Sy	stem			Date: FEBRUARY	2005						
Appropriation Code/Budget Activity, Procurement of Ammunition, Navy and Corps/2/Ammunition		mber:	ID Code: A	P-1 Line (104000)								
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
CTG, .50 CAL BALL LINKED (DODIC A555)												
LOAD ASSEMBLY & PACK (LAP)	1.263	774,846	1.63				0.434	252,325	1.72			
CTG, .50 CAL API 4 & 1 LINKED (DODIC A576)												
LOAD ASSEMBLY & PACK (LAP)	6.174	2,756,250	2.24	1.795	690,384	2.600	26.521	12,055,000	2.20			
BOX METAL M2A1 (EACH)	0.255	2,849	8.95	0.073	54,887	10.33	1.081	122,840	8.80			
CTG, .50 CAL BLANK LINKED (DODIC A598)												
LOAD ASSEMBLY & PACK (LAP)	0.202	325,806	0.62									
CTG, .50 CAL API 4 & 1 LINKED CLR F/OVHD FIRE (DODIC X576)												
LOAD ASSEMBLY & PACK (LAP)							4.553	2,742,771	1.66	4.553	2,662,573	1.71
PRODUCT												
INDUSTRIAL STOCK SUPPORT	0.017	-		0.002			0.39			0.36		
INTERIM TRANSPORTATION	0.006			0.002			0.027					
PRODUCTION ENGINEERING	0.113			0.016			0.417			0.164		
QUALITY ASSURANCE	0.028			0.003			1.215			1.15		1.674
TOTAL	8.058			1.891			34.638			6.227		

 BLIN:
 104000
 Exhibit P-5

 BCST Analysis
 Cost Analysis

Exhibit P-5a, Procurement History and Plan	ning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Procurement of Ammunition, Navy and Marine		ition			Item Nomenclature: .50 CALIBER					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
CTG, 50 CAL BALL LINKED (DODIC A555)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2004	774,846	1.63	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2006	252,325	1.72	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
CTG, 50 CAL API 4 & 1 LINKED (DODIC A576)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2004	2,756,250	2.24	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2005	690,384		JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	JAN 05	OCT 05	YES	
FY 2006	12,055,000	2.20	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
BOX METAL M2A1 (EACH)										
FY 2004	2,849	8.95	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
FY 2005	54,887	10.33	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 04	JAN 05	OCT 05	YES	
FY 2006	122,840	8.80	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	UNKNOWN	JAN 06	OCT 06	YES	
CTG, 50 CAL BLANK LINKED (DODIC A598)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2004	325,806	0.62	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH, INDEP, MO	OCT 03	JAN 04	OCT 04	YES	
CTG, 50 CAL API 4 & 1 LINKED CLR F/OVHD FIRE (DODIC X576)										
LOAD ASSEMBLY & PACK (LAP)										
FY 2006	2,742,771	1.66	CRANE NWS, IN	SS/FP	UNKNOWN	UNKNOWN	JAN 06	OCT 06	YES	
FY 2007	2,662,573	1.71	CRANE NWS, IN	SS/FP	UNKNOWN	UNKNOWN	JAN 07	OCT 07	YES	

22-104000 Exhibit P-5a
BLIN: 104000 PAGE 4 OF 5 Procurement History and Planning

Exhibit P-21, Production S	Schedule													Dat FEE		RY	200	5												
Appropriation Code/Budget Procurement of Ammunition,				Ammu	niti	.on					apon stem									an 576,						R AI	PI 4	& 1	LIN	IKED
									PROI	DUCT	ION	RATE					PRO	CURI	EMEN	T LE	ADTI	MES								
Item	Loca	tion							SR		CON		AX	ALT to	0ct		ALT to (	Oct :		Inti Mfg	PLT		Reo PLT		Mfg	Tota		Unit of Meas	sure	
A576	ALLI	ANT	TECH,	INDE	P, M	)		(	0	1.	.15	3.	96		4			4			9			9		-	13		М	
						Fisc	cal N	rear	200	4				ļ				Fisc	cal :	Year	200	)5								
									Cale	enda	r Ye	ar 2	004								Cal	enda	r Ye	ar 2	2005					
	F	s V	Q T	D E	ВА	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	0	N O	D E	J A	F E	M A	A P	M A	J	J U	A U	S E	B A
Item	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
A576	2004		2.76			<b>†</b>			A		-							0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.00
	2005		0.69		0.69																A									0.69
	2006		12.06	0.00	12.06																									0.00
	2007	MC	0.00	0.00	0.00					l				l										ı						0.00
						Fisc	cal Y	rear	200	6								Fisc	cal :	Year	200	7								
									Cale	enda	r Ye	ar 2	006								Cal	enda	r Ye	ar 2	2007					
		S	Q	D	В	0	N	D	J	F	М	A	М	J	J	А	S	0	N	D	J	F	М	A	М	J	J	А	S	В
Item	F	V C	T Y	E L	A L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	A L
A576	2004		2.76			<b>-</b>																								0.00
	2005	MC	0.69	0.00	0.69	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.03													0.00
	2006	MC	12.06	0.00	12.06				A									1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.06	0.00
	2007	MC	0.00	0.00	0.00																									0.00

22-104000 Exhibit P-21
BLIN: 104000 PAGE 5 OF 5 Production Schedule

Exhibit P-40, Budget	Item (	Justifica	ation				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		-			P-1 Item 1 (105000) 4						
Program Element for Code	B Items	5 <b>:</b>		Other Relate	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	10,125	25,017	58,148	55,236	51,164	53,052	66,960	60,566		380,268

Description: This line includes 40mm Cartridges, All Types. This ammunition includes the following specific cartridges:

DODIC B430 is an interim DODIC. The program is engineering support required to prepare the Weapons Systems Explosives Safety Review Board documentation to procure an improved variant of the 40mm M430 High Explosive Dual Purpose Cartridge (DODIC B646).

The Cartridge, 40mm Target Practice (TP) M781 (DODIC B519) is a fixed cartridge of ammunition consisting of a plastic ogive, metal body, and plastic cartridge case. The ogive houses a highly visible yellow-orange dye. The cartridge case is press-fitted with a .38 caliber blank cartridge containing the propellant. This cartridge is fired from the M203 Grenade Launcher and is used for training and contains no high explosive. Upon impact, the projectile ruptures and releases a puff of yellow-orange dye simulating explosive impact.

The Cartridge, 40mm White Star Parachute M583/M583A1 (DODIC B535) is a fixed cartridge of ammunition consisting of a projectile assembly and a cartridge case assembly. This cartridge is fired from the M203 Grenade Launcher and is used for illumination and signaling.

The Cartridge, 40mm High-Explosive Dual-Purpose (HEDP) M430/M430Al Linked (DODIC B542) is a fixed cartridge of ammunition consisting of an ogive, projectile body, and cartridge case. This cartridge is fired from the M203 Grenade Launcher and is a high explosive, dual-purpose round. The projectile's shaped charge is designed to penetrate two inches of steel armor and inflict personnel casualties in the target area.

The Cartridge, 40mm High-Explosive Dual-Purpose (HEDP) M433 (DODIC B546) is a fixed round of ammunition consisting of an ogive, projectile body, and cartridge case. This cartridge is fired from the M203 Grenade Launcher and is a high explosive, dual-purpose round. The projectile's shaped charge is designed to penetrate two inches of steel armor and inflict personnel casualties in the target area.

Exhibit P-40, Budget	Item (	Justifica	ation				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		-			P-1 Item I (105000)	Nomenclatu 40MM, ALL					
Program Element for Code	B Items	S:		Other Relate	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	10,125	25,017	58,148	55,236	51,164	53,052	66,960	60,566		380,268

#### Description Continuation:

BLIN: 105000

The Cartridge, 40mm Practice M385A1 (DODIC B576) is a fixed cartridge consisting of a projectile body and cartridge case. This cartridge is fired from the MK19 Mod 3 Grenade Machine Gun and is designed for practice or weapon proof testing.

The Cartridge, 40mm Blank Saluting (DODIC B650) is fired from a 40mm Saluting Gun and is used for ceremonial and training purposes. The cartridge contains flash charge designed to produce a loud report when fired.

The Cartridge, 40mm Target Practice, Linked M281 MD 0 M385A1 (DODIC BA12) is a fixed cartridge consisting of a projectile body, and cartridge case. This cartridge is fired from the MK19 Mod 3 Grenade Machine Gun and is designed for practice or weapon proof testing. The cartridge is procurred as a replacement for the M385 (DODIC B576) and the M918 (DODIC B584).

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Exhibit P-40a, Budget Item Justi			gregated	d Items					Date: FEBRUARY	Y 2005	
Appropriation Code/Budget Activity/Ser Procurement of Ammunition, Navy and Ma			tion		P-1 Item (105000)		ature: LL TYPES				
Droguroment Itoma	ID Codo	EV2004	FY2005	EV2006	FY2007					To Complete	Total
Procurement Items	ID Code	F12004	F12005	F12006	F12007					Complete	IOLAI
CTG, 40MM FCT PROGRAM (DODIC B430)		0.519	0.000	0.000	0.000						
QTY											
	+										
					-						
			_			_					
7.40		0.510	0.000	0.000	0.000						
P-40a Total		0.519	0.000	0.000	0.000			<u> </u>	<u> </u>		

Exhibit P-5, Cost Analysis								Date: FEBRUARY 2	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ID Code: A		Item Nom 40MM, AL	enclature L TYPES								
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
CTG, 40MM PRACTICE M781 (DODIC B519)												
COMPLETE ROUND	2.000	378,071	4.800	2.721	572,519	4.750	5.009	1,232,812	4.060	0.351	84,497	4.150
CTG, 40MM WHITE STAR PARA M583 (DODIC B535)												
COMPLETE ROUND				0.939	26,824	35.000						
CTG, 40MM HEDP LINKED MK19 (DODIC B542)												
LAP, CTG, 40MM, HEDP M433				9.141	604,563	15.120	23.322	1,532,325	15.220	23.670	1,512,460	15.650
BANDOLEER (EA)				0.212	76,534	2.770	0.716	256,630	2.790	0.727	253,310	2.870
COMP A-5 CLASS 1 (LB)				0.194	45,327	4.280	0.655	151,972	4.310	0.665	150,112	4.430
COMP CH-6 (LB)				0.007	367	19.070	0.024	1,232	19.480	0.024	1,215	19.750
DET STAB M55 (EA)				0.313	474,242	0.660	1.057	1,601,515	0.660	1.073	1,577,941	0.680
FZ PIBD M550 MPTS (EA)				3.146	470,254	6.690	10.627	1,579,049	6.730	10.786	1,556,421	6.930
LAP SPITBACK ASSY F/M433(EA)				0.015	10,204	1.470	0.051	34,228	1.490	0.051	3,774	1.510
LAP TEST VEHICLE F/M433 (EA)				0.099	10,227	9.680	0.334	34,326	9.730	0.339	33,866	10.010
LEAD AZIDE (SP) (LB)				0.002	47	42.550	0.007	158	44.300	0.007	156	44.870
M9.003 FLAKE F/40MM (LB)				0.024	370	64.860	0.081	1,241	65.220	0.082	1,224	66.940
RDX TYPE II CLASS 3(LB)				0.002	47	42.550	0.007	158	44.300	0.007	156	44.870
CTG, 40MM HEDP M433 (DODIC B546)												
COMPLETE ROUND	3.345	82,450	40.570	3.473	92,219	37.660				1.878	26,540	70.760
CTG, 40MM BLANK SALUTING (DODIC B650)	<u> </u>											
COMPLETE ROUND, 40MM BLANK SALUTE										0.207	3,309	62.55
CTG, 40MM PRACTICE LINKED MK19 (DODIC B576)	<u> </u>											
COMPLETE ROUND												
CTG, 40MM PRACTICE (DODIC BA12)												
COMPLETE ROUND	3.996	216,000	18.50	4.234	227,756	18.59	11.839	618,547	19.14	12.002	608,620	19.72
CONTRACT NOONS	3.330	210,000	10.30	1.231	227,730	10.33	11.033	010/51/	13,111	12.002	000,020	13172
PRODUCT	<u> </u>											
INDUSTRIAL STOCK SUPPORT	0.045			0.083			0.162			0.047		
ACCEPTANCE TESTING	0.021			0.021			0.059			0.059		<u> </u>
PRODUCTION ENGINEERING	0.139			0.293			3.988			3.150		
QUALITY ASSURANCE	0.060			0.098			0.210			0.111		<u> </u>
	ļ											-
P-5 Total	0 606			25 017			50 140			EE 226		<del>                                     </del>
P-5 Total	9.606	ļ		25.017		ļ	58.148			55.236		

Exhibit P-5a, Procurement History and Planning		Weapon S	ystem		Date:					
					FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Numb Procurement of Ammunition, Navy and Marine Cor		ion			Item Nomenclatu 40MM, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and	Contractor and	RFP Issue	Award Date	Date of First Delivery	Tech Data Available Now?	
								_		
CTG 40MM PRACTICE M781 (DODIC B519)										
LAP, COMPLETE ROUND										
777. 2004	270 071	4 000	TMG DOGW TGLAND TI	Q/PPD	MAST TECHNOLOGIES	OGE 03	DEG 03	MAD 05	VII.O	
FY 2004	378,071	4.800	JMC,ROCK ISLAND,IL	C/FFP	LAS VEGAS, NV	OCT 03	DEC 03	MAR 05	YES	
FY 2005	572,519	4.750	JMC,ROCK ISLAND,IL	C/FFP	MAST TECHNOLOGIES LAS VEGAS, NV	OCT 04	DEC 04	MAR 06	YES	
FY 2006	1,232,812	4.060	JMC,ROCK ISLAND,IL	C/FFP	MAST TECHNOLOGIES LAS VEGAS, NV	OCT 05	DEC 05	MAR 07	YES	
FY 2007	84,497	4.150	JMC,ROCK ISLAND,IL	C/FFP	MAST TECHNOLOGIES LAS VEGAS, NV	UNKNOWN	DEC 06	MAR 08	YES	
CTG 40MM WHITE STAR PARA (DODIC B535)										
LAP, COMPLETE ROUND FY 2005	26,824	25 00	JMC, ROCK ISLAND, II	C/FFP	MARTIN. PERRY, FL	OCT 04	DEC 04	MAR 06	YES	
F1 2005	20,024	35.00	OMC, ROCK ISLAND, II	C/FFP	MARIIN. PERRI, FL	001 04	DEC 04	MAR UO	IES	
CTG 40MM HEDP LINKED FOR MK 19 (DODIC B542)										
LAP, CTG, 40MM, HEDP M433										
FY 2005	604,563	15.12	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	1,532,325	15.22	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	1,512,460	15.65	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
BANDOLEER (EA)										
FY 2005	76,534	2.77	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	256,630		JMC, ROCK ISLAND, IL		UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	253,310	2.87	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
COMP A-5 CLASS 1 (LB)										
FY 2005	45,327		JMC, ROCK ISLAND, IL		UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	151,972		JMC, ROCK ISLAND, IL		UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	150,112	4.43	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
COMP CH-6 (LB)							1			
FY 2005	367		JMC, ROCK ISLAND, IL		UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	1,232		JMC, ROCK ISLAND, IL		UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	1,215	19.75	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	

Exhibit P-5a, Procurement History and Planning		Weapon S	ystem		Date:					
		_	_		FEBRUARY 2005					
				ln 1 - '	T. 37					
Appropriation Code/Budget Activity/Serial Number					Item Nomenclatu					
Procurement of Ammunition, Navy and Marine Corps	s/2/Ammuniti	.on		(105000)	40MM, ALL TYPES					
		1	T		I	1	1			
				Contract	a	DDD 7		Date of	Tech Data	Date
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Method and Type	Contractor and Location	RFP Issue Date	Award Date	First Delivery	Available Now?	Revisions Available
	QLY	Unit Cost	LOCATION OF PCO	Type	HOCACTON	Date	Awaru Date	Delivery	NOW:	Available
CTG 40MM HEDP LINKED FOR MK 19 (DODIC B542)										<del>                                     </del>
DET STAB M55 (EA) FY 2005	474 242	0.66	TMG DOGK TGLAND TI	G (BD	IDMINIOUNI	0.000 0.4	MAD OF	TIII 0.C	VDC	<del>                                     </del>
	474,242		JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	<b> </b>
FY 2006 FY 2007	1,601,515		JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07 JUL 08	YES	<b> </b>
FZ PIBD M550 MPTS (EA)	1,577,941	0.68	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	<b>——</b>
FY 2005	470,254	6.60	TMG DOGK TGLAND TI	C/FP	UNKNOWN	0.000 0.4	MAR 05	JUL 06	YES	<b> </b>
FY 2006	1,579,049	6.73	JMC, ROCK ISLAND, IL JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04 UNKNOWN	MAR 05	JUL 06	YES	
FY 2007	1,556,421	1	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 08	YES	
LAP SPITBACK ASSY F/M433(EA)	1,550,421	0.93	OFIC, ROCK ISLAND, IL	C/FP	OIMVINOMIN	OIMINIMOMIN	MAR U/	001 00	142	
FY 2005	10,204	1 47	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	34,228		JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 05 MAR 06	JUL 06	YES	
FY 2007	34,228		JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 08	YES	
LAP TEST VEHICLE F/M433 (EA)	3,774	1.51	OMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OINKNOWN	MAR 07	001 00	155	
FY 2005	10,227	9 68	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	34,326		JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	33,866	10.01		C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
LEAD AZIDE (SP) (LB)	33,000	10.01	one, Rock Idente, Id	C/11	GIVILIVOVIIV	OIVICIVOWIV	PHIC 07	001 00	120	
FY 2005	47	42.55	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	158	44.30		C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	156		JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
M9.003 FLAKE F/40MM (LB)			,	-,						
FY 2005	370	64.86	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	1,241		JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	1,224		JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
RDX TYPE II CLASS 3(LB)										
FY 2005	47	42.55	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	OCT 04	MAR 05	JUL 06	YES	
FY 2006	158	44.30	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 06	JUL 07	YES	
FY 2007	156	44.87	JMC, ROCK ISLAND, IL	C/FP	UNKNOWN	UNKNOWN	MAR 07	JUL 08	YES	
CTG 40MM HEDP FOR M79/M203 (DODIC B546)										
LAP, COMPLETE ROUND										
FY 2005	82,450	40.57	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	OCT 04	MAR 05	APR 06	YES	
FY 2006	92,219	37.66		C/FFP	UNKNOWN	UNKNOWN	MAR 06	Apr 07	YES	
FY 2007	26,540		JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	APR 08	YES	
	.,								-	
CTG, 40MM BLANK SALUTING (DODIC B650)									1	
COMPLETE ROUND									1	
FY 2007	3,309	62.55	UNKNOWN	C/FFP	UNKNOWN	UNKNOWN	DEC 06	JUN 08	NO	
	3,309	02.33	OTATITAONIA	C/FFF	OTATITAOMIA	CIVILLINOWIN	DEC 00	0014 00	110	
CTG 40MM PRACTICE (DODIC BA12)									<del> </del>	
COMPLETE ROUND									<del> </del>	
FY 2004	216,000	18.50	NSWC, DAHLGREN, VA	C/FFP	NICO, GERMANY	TIII 0.4	SEP 04	SEP 05	YES	
					•	JUL 04				<del>                                     </del>
FY 2005	227,756	18.59	NSWC, DAHLGREN, VA	C/FFP	NICO, GERMANY	JUL 05	SEP 05	SEP 06	YES	<del>                                     </del>
FY 2006	618,547	19.14	NSWC, DAHLGREN, VA	C/FFP	NICO, GERMANY	UNKNOWN	SEP 06	SEP 07	YES	
FY 2007	608,620	19.72	NSWC, DAHLGREN, VA	C/FFP	NICO, GERMANY	UNKNOWN	SEP 07	SEP 08	YES	

							al Y													200									
	07	MC	1.51	0.00																						<u> </u>			1.52
	06	MC	1.53	0.00	1.53																					<u> </u>			1.53
	05	MC	0.60	0.00	0.60																	A							0.60
B542	04	MC	0.00	0.00																									0.00
ITEM	F Y	S V C	Т	D E L	B A L	С	N O V	D S	F A E	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
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Appropriation Code/Budget Activi Procurement of Ammunition, Navy				Ammu	uniti	on			Wea	apon	Sys	tem		0500					2 an 12,						HE	OP :	LINE	ŒD	FOR
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Exhibit P-21, Production	n Schedule													Dat FEE		ARY	200	5												
Appropriation Code/Budge Procurement of Ammunition				/Ammı	unit	ion				Wea	pon	Sys	tem		0500								ncla ALL			HED	OP I	LINK	ED 1	FOR
									PRO	DUCT	ION	RATE					PR	OCUR:	EMEN	IT LE	ADTI	IMES								
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B542			7	ro be	SELE	CTEI	)	2	27	5	0	1	00		6			6			16			16		2	2		M	I
						1																								
						Fis	cal	Year	200	8								Fis	cal	Year	200	9								
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	F	s V	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J	A U	S E	B A
ITEM	Y	C		L	L	Т	V	С	N	В	R	R	Y	N	L	G	Р	Т	V	С	N	В	R	R	Y	N	L	G	P	L
B542	04	MC	0.00	0.00	0.00																									0.0
	05	MC	0.60	0.60	0.00																									0.0
	06	MC	1.53	0.39	1.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.10																0.0
	07	MC	1.51	0.00	1.51		ļ								0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.08				0.0
						Fis	cal	Year	201	0								Fis	cal	Year	201	.1								
									Cale	endar	Yea	r 20	10		,			,			Cale	enda:	r Yea	ar 2	011					
		s	Q	D	В	0	N	D	J	F	М	A	М	J	J	A	S	0	N	D	J	F	М	A	М	J	J	A	S	В
ITEM	F Y	V C	T Y	E L	A L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	A L
B542	04	MC	0.00	0.00	0.00																									0.0
	05	MC	0.60	0.60	0.00																									0.0
	06	MC	1.53	1.53	0.00																									0.0
	07	MC	1.51	1.51	0.00																									0.0

Exhibit P-21, Production Sche	edule														ce: BRUA	RY 2	2005													
Appropriation Code/Budget Act Procurement of Ammunition, Na				2/Ammu	ıniti	on				Wea	pon	Sys	tem													RAC'	TICE			
									PRO	DUCT	'ION	RATE					PR	OCUR:	EMEN'	T LE	ADTI	MES								
Item			Manuf Locat	acture ion	er's N	Jame	and	М	SR	EC	CON	M	AX		Pri Oct		ALT to C			Inti Mfg		L	Reor PLT		Mfg	Tota	ıl	Unit Meas		
BA12				IICO PY				1	.0	4	10	8	10		3			3			12			12		1	15		М	
			1			Fisc	cal :	Year	2004	1		<u> </u>		I			ı	Fisc	al Y	ear	2005	;	<u> </u>					I.		
									Cale	endar	r Yea	r 20	04								Cale	endar	. Yea	ar 20	005					
ITEM	F	S V C	Q T Y	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	N E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
BA12	04	1	0.22		0.22	<b>-</b>	Ť							1		Ü	A	-	·						_				0.02	0.20
	05	MC	0.23	0.00	0.23																								A	0.21
	06	MC	0.62	0.00	0.62																									0.62
	07	MC	0.61	0.00	0.61																									0.61
						Fisc	cal '	Year										Fisc	al Y											
				ı		1	ı	1	Cale	endar	Yea	r 20	06	1	1				1	ı	Cale	endar	Yea	ar 20	007		ı	1 1		
	F	s V C	Q T Y	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
BA12	04	MC	0.22	0.22	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01														0.00
	05	MC	0.23	0.00	0.23												0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	[	0.00
	06	MC	0.62	0.00	0.62												A												0.05	0.57
	07	MC	0.61	0.00	0.61																								A	0.60

Exhibit P-21, Production	n Schedule													Dat FEB	e: RUAR	Y 20	05													
Appropriation Code/Budg Procurement of Ammuniti				Ammun	ition	1				Weap	pon	Syst	em						and					PR	ACTI	CE				
									PRC	DUCT:	ION F	RATE					P	ROCUE	REMENT	LEAI	OTIME	S								
Item			Manuf Locat	acture ion	er's N	ame a	and	MS	SR	EC	!ON	M.		ALT Oct	Prior 1		ALT . Oct		to to	Inti PLT	tial	Mfg	Reor PLT	der 1	Mfg	Tota	1	Unit Meas		
BA12				NICO P'				1	.0	4	10	8	0		3			3			12			12		1	.5		М	
						Fisc	al V	aar 2	008									Fier	al Yea	r 20	0.9									
						1 100	<u>u</u>			ndar	Year	200	В					TIDO	41 100		Cale	ndar	Year	200	9					
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		S		D E	B A	0	N O	D E	A	F E	M A	A P	M A	D.	J	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	B A
ITEM				L	L	Т	V	C	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R	R	Y	N	L	G	P	L
BA12	0	_	0.22	0.22	0.00																									0.00
	0	5 MC	0.23	0.23	0.00																									0.00
	0	6 MC	0.62	0.05	0.57	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07														0.00
	0	7 MC	0.61	0.61	0.60												0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06		0.00
						Fisc	al Y	ear 2	010									Fisca	al Yea	r 20	11									
	<del>_</del>								Cale	ndar	Year	201	0								Cale	ndar	Year	201	1					
		S	Q	D	В	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	М	A	M	J	J	A	S	В
	I			E	A	C	0	E	A	E	A	P	A	U	U	U	E	C	0	E	A	E	A	P	A	U	U	U	E	A
				L	L	Т	V	C	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R	R	Y	N	L	G	P	L
BA12		4 MC	0.22		0.00	_						<u> </u>								<u> </u>				<u> </u>						0.00
		5 MC	0.23		0.00																					<u> </u>				0.00
		6 MC	0.62		0.00																				ļ	ļ				0.00
	0	7 MC	0.61	0.61	0.00																									0.00

Exhibit P-40, Budget	Item	Justifica	ation				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		-			P-1 Item 1 (108300)						
Program Element for Code	B Items	s:		Other Relat	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	10,781	12,398	16,224	16,423	16,382	22,558	10,764	9,262		114,792

Description: This line includes 60mm Mortar Ammunition, All Types. FY04 funding includes Congressional plus-ups to support current operations.

The Cartridge, 60mm High Explosive M720 (DODIC B642) is a high explosive round for use in the M224 Lightweight Company Mortar System. It is intended for use against personnel and light materiel targets.

The Cartridge, 60mm High Explosive M888 (DODIC B643) is a high explosive cartridge for use in the 60mm M224 Lightweight Company Mortar System. It is intended for use against personnel and light materiel targets.

The Cartridge, 60mm High Explosive M720A1 (DODIC BA16) with M734A1 Multi-Option Fuze (MOFA) is a high explosive round for use in the M224 Lightweight Company Mortar System. It is intended for use against personnel and light materiel targets.

The Cartridge, 60mm Smoke White Phosphorus (WP) M722 (DODIC B646) is a white phosphorus round for use in the 60mm M224 Lightweight Company Mortar System. It is intended for spotting purposes. Funds for this item are included in the outyear totals for this line item.

24-108300

PAGE 1 OF 7

BLIN: 108300

Exhibit P-40 Budget Item Justification

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Seri Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	al ID Code: A	P-1 Line I (108300) 6										
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE:												
CTG, 60MM HE M720 W/MOF (DODIC B642)												
LAP, CTG, 60MM, M720				1.701	23,204	73.29						
FIN ASSEMBLY M27				0.175	23,204	7.56						
FUZE, MO, M734A1				5.537	23,204	238.64						
IGNITION CTG, 60MM, M702				0.429	23,204	18.48						
PROPELLANT CHARGE, 60MM M235				0.653	92,816	7.04						
SHELL BODY, 60MM, HE, M720A1/M768				1.155	23,204	49.79						
CTG, 60MM HE M888 (DODIC B643)												
LAP, CTG, 60MM, M720A1	2.271	65,066	34.90									
COMP A-5 CLASS 1(LB)	0.025	1,951	12.80									
COMP B TYPE 1 GRADE A (LB)	0.081	33,612	2.41	t t								
NITROCULLULOSE WW GR A (LB)	0.145	2,148	67.55									
RDX TYPE II CLASS 3 (LB)	0.416	26,066	15.99									
TNT TYPE I FLAKE (LB)	0.058	26,026	2.22									
CONTAINER ASSY M204 (EA)	0.93	262,866	3.54									
FUZE MPTS M935	1.708	67,688	25.16									
LAP CHG PROP M204	0.35	262,866	1.33									
M10 FLAKE .008 (LB)	0.156	5,207	29.96									
M27 FIN ASSEMBLY	0.594	67,668	8.79									
M207 INGNITION CARTRIDGE	0.964	67,668	14.25									
M720 PROJ MPTS	0.868	67,668	14.83									
M9 FLAKE .008 (LB)	0.044	520	86.96									
M935 FUZE	1.351	53,696	25.16									
PRODUCT												
ACCEPTANCE TESTING	0.025			0.451								†
PRODUCTION ENGINEERING	0.085			0.282								
QUALITY ASSURANCE	0.027			1.455								
INTERIM TRANSPORTATION	0.015			0.560								
INDUSTRIAL STOCK SUPPORT	0.047											
GOVERNMENT FURNISHED MATERIAL	-0.769											
Sub Total	9.391			12.398			0.000			0.000		1

Exhibit P-5, Cost Analysis Date: FEBRUARY 2005 Appropriation Code/Budget Activity/Serial ID Code: P-1 Line Item Nomenclature: Number: (108300) 60MM, ALL TYPES Procurement of Ammunition, Navy and Marine Corps/2/Ammunition FY04 FY05 FY06 FY07 Total Cost Unit Cost Total Cost Unit Cost Total Cost Unit Cost Total Cost Unit Cost WBS COST ELEMENTS Qty Qty Qty Qty HARDWARE: CTG, 60MM HE M720A1 W/MOF (DODIC BA16) 3,000 2.486 101.29 2.516 24,401 LAP, CTG, 60MM, M720A1 0.213 71.00 24,544 103.11 FIN ASSEMBLY M27 0.02 3,120 6.41 0.233 25,526 9.13 0.236 25,377 9.30 206.73 294.91 FUZE, MO, M734A1 0.645 3,120 7.528 25,526 7.621 25,377 300.31 3,120 16.03 0.584 22.88 0.591 23.29 IGNITION CTG, 60MM, M702 0.05 25,524 25,377 PROPELLANT CHARGE, 60MM M235 0.075 12,295 6.10 0.875 100,574 8.70 0.886 100,112 8.85 SHELL BODY, 60MM, HE, M720A1/M768 0.135 3,120 43.27 1.576 25,526 61.74 1.595 25,369 62.87 PRODUCT 0.027 0.315 0.32 ACCEPTANCE TESTING 0.169 1.973 1.997 PRODUCTION ENGINEERING QUALITY ASSURANCE 0.048 0.561 0.57 0.008 0.093 0.10 INTERIM TRANSPORTATION Sub Total 1.390 0.000 16.224 16.423 10.781 12.398 16.224 16.423 P-5 Total Exhibit P-5

24-108300

Exhibit P-5a, Procurement History an	nd Planning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/S Procurement of Ammunition, Navy and			nition		Item Nomenclature 60MM, ALL TYPES	:			_	
WBS COST ELEMENTS	Otto	Unit Cost	Location of PCO		Contractor and	RFP Issue	Award Date	Date of First	Tech Data Available Now?	Date Revisions Available
CTG, 60MM HE M720 W/MOF (DODIC B642)	Qty	UIIIC COSC	LOCACION OF PCO	Type	Location	Date	Award Date	Delivery	NOW!	Available
FY 2005										
LAP, CTG, 60MM, M720A1	23,204	73.29	JMC, ROCK ISLAND, IL	C/FP	AMERICAN ORDNANCE MILAN TN	OCT 04	DEC 04	SEP 06	YES	
FIN ASSEMBLY M27	23,204	7.56	JMC, ROCK ISLAND, IL	C/FP	WILKINSON PT CALHOUN, NE	OCT 04	DEC 04	SEP 06	YES	
FUZE, MO, M734A1	23,204	238.64	JMC, ROCK ISLAND, IL	C/FP	BULOVA LANCASTER, PA	OCT 04	DEC 04	SEP 06	YES	
IGNITION CTG, 60MM, M702	23,204	18.48	JMC, ROCK ISLAND, IL	C/FP	AMERICAN ORDNANCE MILAN TN	OCT 04	DEC 04	SEP 06	YES	
PROPELLANT CHARGE, 60MM, M235	92,816		JMC, ROCK ISLAND, IL	C/FP	AMERICAN ORDNANCE MILAN TN	OCT 04	DEC 04	SEP 06	YES	
SHELL BODY, 60MM, HE, M720A1/M768	23,204	49.79	JMC, ROCK ISLAND, IL	C/FP	MEDICO WILKES-BARRE, PA	OCT 04	DEC 04	SEP 06	YES	
CTG, 60MM HE M888 (DODIC B643)										
FY 2004										
LAP	65,066	34.90	JMC, ROCK ISLAND, IL	SS/FP	AMERICAN ORDNANCE MILAN TN	OCT 03	MAR 04	SEP 06	YES	
COMP A-5 CLASS 1 (LB)	1,951		JMC, ROCK ISLAND, IL	TBS/TBS	GFM	OCT 03	MAR 04	SEP 06	YES	
COMP B TYPE I GRADE A (LB)	33,612	2.41	JMC, ROCK ISLAND, IL	TBS/TBS	GFM	OCT 03	MAR 04	SEP 06	YES	
NITROCELLULOSE WW BR A (LB)	2,148	67.55	JMC, ROCK ISLAND, IL	TBS/TBS	GFM	OCT 03	MAR 04	SEP 06	YES	
RDX TYPE II CLASS 3 (LB)	26,066	15.99	JMC, ROCK ISLAND, IL	TBS/TBS	GFM	OCT 03	MAR 04	SEP 06	YES	
TNT TYPE I FLAKE (LB)	26,066	2.22	JMC, ROCK ISLAND, IL	TBS/TBS	GFM	OCT 03	MAR 04	SEP 06	YES	
CONTAINER ASSY M204 (EA)	262,866	3.54	JMC, ROCK ISLAND, IL	SS/FP	ARMTEC CHOCELLA CA BULOVA	OCT 03	MAR 04	SEP 06	YES	
FUZE MPTS M935	67,688	25.16	JMC, ROCK ISLAND, IL	SS/FP	LANCASTER, PA	OCT 03	MAR 04	SEP 06	YES	
LAP CHG PROP M204	262,866	1.33	JMC, ROCK ISLAND, IL	SS/FP	AMERICAN ORDNANCE MILAN TN	OCT 03	MAR 04	SEP 06	YES	
M10 FLAKE .008 (LB)	5,207	29.96	JMC, ROCK ISLAND, IL	SS/FP	ALLINANT RADFORD, VA	OCT 03	MAR 04	SEP 06	YES	
M27 FIN ASSEMBLY	67,668	8.79	JMC, ROCK ISLAND, IL	SS/FP	WILKINSON PT CALHOUN, NE	OCT 03	MAR 04	SEP 06	YES	
M702 IGNITION CARTRIDGE	67,668	14.25	JMC, ROCK ISLAND, IL	SS/FP	AMERICAN ORDNANCE MILAN TN	OCT 03	MAR 04	SEP 06	YES	
M720 PROJ MPTS	67,668	14.83	JMC, ROCK ISLAND, IL	SS/FP	MEDICO WILKES-BARRE, PA	OCT 03	MAR 04	SEP 06	YES	
M9 FLAKE .008 (LB)	520	86.96	JMC, ROCK ISLAND, IL	SS/FP	ALLINANT RADFORD, VA	OCT 03	MAR 04	SEP 06	YES	
M935 FUZE	53,696	25.16	JMC, ROCK ISLAND, IL	SS/FP	BULOVA LANCASTER, PA	OCT 03	MAR 04	SEP 06	YES	

Exhibit P-5a, Procurement History and Plants	anning	Weapon S	System		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Seria	l Number:	1		P-1 Line	Item Nomencla	ture:				
Procurement of Ammunition, Navy and Maria	ne Corps/2/	/Ammuniti	on	(108300)	DODIC: BA16,	60MM, ALL	TYPES, HE	E W/MOF		
		1	<u> </u>		1	1		1	1	
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and	RFP Issue	Award Date	Date of First	Tech Data Available Now?	Date Revisions Available
CTG, 60MM HE W/MOF (DODIC BA16)	Q C 3	OHIC CODE	Edeacion of 1co	11100	Hocacion	Date	IIWara Bacc	Delivery	IVOW.	IIVATIANIC
FY 2004										
F1 2004					American					
LAP, CTG, 60MM, M720A1	3,000	71.00	ARDEC, PICATINNEY, NJ	C/FP	Ordnance MILAN TN	OCT 03	SEP 04	MAR 06	YES	
FIN ASSEMBLY M27	3,120	6.41	ARDEC, PICATINNEY, NJ	C/FP	WILKINSON PT CALHOUN, NE	OCT 03	SEP 04	MAR 06	YES	
FUZE, MO, M734A1	3,120	206.73	ARDEC, PICATINNEY, NJ	C/FP	BULOVA LANCASTER, PA	OCT 03	SEP 04	MAR 06	YES	
TOWNSTON ONE COMM. MECO.	2 100	16.00		G (PP	American Ordnance MILAN TN	0.000 0.00	GDD 04	W3.D. 06	, vana	
IGNITION CTG, 60MM, M702	3,120	10.03	ARDEC, PICATINNEY, NJ	C/FP		OCT 03	SEP 04	MAR 06	YES	
PROPELLANT CHARGE, 60MM, M235	12,295	6.10	ARDEC, PICATINNEY, NJ	C/FP	American Ordnance MILAN TN	OCT 03	SEP 04	MAR 06	YES	
SHELL BODY, 60MM, HE, M720A1/M768	3,120		ARDEC, PICATINNEY, NJ		MEDICO WILKES-BARRE, PA	OCT 03	SEP 04	MAR 06	YES	
FY 2006										
LAP, CTG, 60MM, M720A1	24,544	101.29	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 06	MAR 08	NO	
FIN ASSEMBLY M27	25,526	9.13	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 06	MAR 08	NO	
FUZE, MO, M734A1	25,526	294.91	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 06	MAR 08	NO	
IGNITION CTG, 60MM, M702	25,526	22.88	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 06	MAR 08	NO	
PROPELLANT CHARGE, 60MM, M235	100,574	8.70	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 06	MAR 08	NO	
SHELL BODY, 60MM, HE, M720A1/M768	25,526	61.74	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 06	MAR 08	NO	
FY 2007										
LAP, CTG, 60MM, M720A1	24,401	103.11	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 07	MAR 09	NO	
FIN ASSEMBLY M27	25,377	9.30	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 07	MAR 09	NO	
FUZE, MO, M734A1	25,377	300.31	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 07	MAR 09	NO	
IGNITION CTG, 60MM, M702	25,377	23.29	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 07	MAR 09	NO	
PROPELLANT CHARGE, 60MM, M235	100,112	T .	ARDEC, PICATINNEY, NJ		UNKNOWN	UNKNOWN	SEP 07	MAR 09	NO	
SHELL BODY, 60MM, HE, M720A1/M768	25,369	62.87	ARDEC, PICATINNEY, NJ	C/FP	UNKNOWN	UNKNOWN	SEP 07	MAR 09	NO	
	•	•	24-108300	•	•	•	•	•	Е	xhibit P-5a

Exhibit P-5a
BLIN: 108300 PAGE 5 OF 7 Procurement History and Planning

									Cale	enda	r Yea	ar 20	06								Cal	enda	r Yea	ar 20	07					
	200	, , , , ,	21.11	0.0		Fisc	al Y	ear	2006			I		l .	1			Fisc	al Y	ear	2007		l .	I			<u> </u>		l	1 211.
	2006		24.5																											24.5
	2005		0.0																											0.0
BA16	2004		3.0														A													3.0
Item	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
	F	S V		D E	B A	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	0 C	N	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	B A
		1	1	1			1		Cale	enda	r Yea	ar 20	04			1					Cal	endar	r Yea	ar 20	05	1	т—		1	
						Fisc	al Y	ear	2004									Fisc	al Y	ear	2005									
						1																								
BA16			Atti		an Or lan,		ce	15	50	2	50	5	00		12			12			18			18		3	30		K	
Item			and :		ion an Or	,		MS	SR	EC	CON	М	AX	to C	oct 1	-	to (	Oct 1		Mfg	PLT		PLT			Tota	1			
			Manu	factu	ırer's	s Nar	ne							ALT	Pric	r	ALT	Afte		Inti			Reor	der 1	Mfg			Unit Meas		
									PRO	DUC'	TION	RATE					P.	ROCUI	REME	NT LE	ADTI	MES								
Procurement of Amm	unition, Navy and Ma	arir	ne Co	rps	/2/Ar	nmun	iti	on						(10	8300	) I	OODI	C: I	3A16	5, 60	, MMC	AL	L T	YPES	, HE	W/M	ЭF			
Appropriation Code	/Budget Activity/Ser	rial	L Num	ber	:					Wea	pon	Sys	tem	P-1	Lir	ne I	Item	ı DOI	DIC	and	Non	nenc	latı	ıre:						
Exhibit P-21, Prod	detion beneaute													Dat FEB		RY 2	2005													

24-108300 Exhibit P-21
BLIN: 108300 PAGE 6 OF 7 Production Schedule

xhibit P-21, Production Schedule														Date FEBR	: :UARY	200	5													
ppropriation Code/Budget Activity/Se rocurement of Ammunition, Navy and M					'Amm	uni	cion			Weap	on S	yste	m		Line									HE W	/MOF					
									PRO	DUCTI	ON RA	ATE					PR	OCUR	EMENT	LEA	DTIME	is								
tem			ufact atior		er's	Name	and	М	SR	EC	ON	M.	AX	ALT I	Prior	to	ALT Oct			Inti PLT	tial	Mfg	Reor PLT	der M		Tota		Unit Meası		
A16				UNK	MOM	1		1	50	25	0	5	00		12			12			18			18		3	0		K	
						Fisc	al Ye	ar 2	008									Fisc	al Y	ear 2	009									
									Calen	dar Y	ear 2	8008									Cale	ndar	Year	2009						
F		S Q V T	D E		ВА	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J	A U	S	0	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S E	B A
tem Y		C Y	L		L	C T	V	C	N	В	R	R	A Y	N	U L	Ğ	E P	C T	v	C	N	В	R	R	Y	N	L	G	P	L
A16 20	004 M	3.	0 3	. 0	0.0																									0.0
20	005 M	0.	0 0	. 0	0.0																									0.0
20	006 M	24.	5 0	. 0	24.5						2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.06								0.0
20	007 M	24.	4 0	. 0	24.4																		2.0	2.0	2.0	2.0	2.0	2.0	2.0	10.4
					:	Fisc	al Ye	ar 2	010									Fisc	al Y	ear 2	011									
									Calen	dar Y	ear 2	010									Cale	ndar	Year	2011						
		s Q	D		В	0	N	D	J	F	М	A	М	J	J	A	S	0	N	D	J	F	М	A	М	J	J	А	s	В
F	, ,	V T	E		A L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	A L
A16 20	004 M	3 .	0 3	. 0	0.0																									0.0
20	005 M	2 0.	0 0	. 0	0.0																									0.0
20	006 M	24.	5 24	. 5	0.0																									0.0
20	007 M	24.	4 14	. 0	10.4	2.0	2.0	2.0	2.0	2.4																				0.0

 24-108300
 Exhibit P-21

 BLIN: 108300
 PAGE 7 OF 7
 Production Schedule

Exhibit P-40, Budget	Item Ji	ustlilca	tion				FEBRUARY 2	2005			
Appropriation Code/Budge Procurement of Ammunition		-		mmunition	P-1 Item (109100)	Nomenclatu 81MM, ALL					
Program Element for Code	e B Items:			Other Relat	ed Program	l Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	18.798	25.222	17.211	33.170	20.339	25.562	26.739	1.768		168.809

Description: This line includes 81mm Mortar Ammunition, All Types.

The Cartridge, 81MM Illuminating Infrared (IR) M816 (DODIC C484) with mechanical time fuze is used in the 81mm M252 mortar system. It is designed to take advantage of the night vision device and reduce friendly forces exposure to the enemy. The physical characteristics of the 81mm IMC are essentially identical to the current M853Al illuminating cartridge except that it carries an IR filler vice a "white light" illuminate filler.

The Cartridge, 81mm High Explosive (HE) M821/M821A1 (DODIC C868) with Multi-Option Fuze M734 is a high explosive round developed for use in the M252 Improved 81mm Mortar System. It is intended for use against personnel and light materiel targets.

The Cartridge, 81mm High Explosive (HE) M889/M889A1 (DODIC C869) with Point Detonating Fuze M935 is a high explosive round developed for use in the M252 Improved 81mm Mortar System. It is intended for use against personnel and light material targets.

The Cartridge, 81mm Smoke Red Phosphorus (RP) M819 with Mechanical Time Super-Quick Fuze M772 (DODIC C870) is a smoke screen round developed for use in the 81mm M252 Mortar System.

The Cartridge, 81mm Illuminating M853A1 (DODIC C871) with Mechanical Time Super-Quick Fuze (MTSQ) M772 is an illuminating round developed for use in the 81mm M252 Mortar System. It is intended for illuminating a desired point or area.

25-109100

Exhibit P-40
Budget Item Justification

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	A		Item Nome 81MM, ALI									
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
MORTAR, 81MM HE MOF FZ (DODIC C868)												
COMPLETE ROUND							1.362	1,530	890.00	1.362	1,503	906.00
MORTAR, 81MM HE PD FZ (DODIC C869)												
COMPLETE ROUND							8.338	8,346	999.00	19.090	18,770	1017.00
MORTAR, 81 MM IR ILLUM (DODIC C484)												
HARDWARE:												
LAP, CTG 81MM, M816				0.364	5,387	67.57						
BODY TUBE AND TAIL CONE				0.216	6,064	35.62						
FIN ASSEMBLY M27				0.117	6,064	19.29						
FUZE, MTSQ, M772				0.548	6,064	90.37						
IGNITION CTG, M752				0.157	6,064	25.89						
INFRARED ILLUMINANT CANISTER				0.795	6,064	131.10						
PARCHUTE ASSEMBLY				0.125	6,064	20.61						
PROPELLANT CHARGE, 81MM M219				0.149	12,295	6.43						
PRODUCT												
ACCEPTANCE TESTING				0.480								
FIRST DESTINATION TRANSPORTATION				0.143								
INTERIM TRANSPORTATION				0.200								
PRODUCTION ENGINEERING				1.312								
QUALITY ASSURANCE				0.264								
Sub Total	0.000			4.870 <b>25-109100</b>			9.700			20.452		shibit P-5

25-109100 Exhibit P-5
BLIN: 109100 PAGE 2 OF 12 Cost Analysis

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	A		Item Nome 81MM, ALI									
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
MORTAR, 81 MM SMOKE RP (DODIC C870)												
HARDWARE:												
LAP, CTG 81MM, SMOKE RP M819	0.702	2,588	271.25				3.893	13,938	279.31	3.897	13,277	284.93
M9 FLAKE	0.002	60	38.46				0.011	278	39.57	0.010	310	38.46
CONTAINER ASSY M205	0.044	10,352	4.25				0.250	55,752	4.48	0.251	56,432	4.45
FUZE M772	0.377	2,692	140.04				2.367	15,889	148.97	2.294	15,270	147.13
IGN CTG M752	0.075	2,692	27.86				0.467	15,889	29.39	0.445	15,270	29.14
PROP CHARGE	0.019	10,352	2.04				0.119	55,752	2.13	0.116	55,104	2.11
PRODUCT												
ACCEPTANCE TESTING	0.044						0.100			0.074		
INDUSTRIAL STOCK SUPPORT	0.000						0.000			0.010		
INTERIM TRANSPORTATION	0.010						0.008			0.000		
PRODUCTION ENGINEERING	0.052						0.216			0.362		
QUALITY ASSURANCE	0.004						0.080			0.052		
GOVERNMENT FURNISHED MATERIAL												
GOVERNMENT FORWIGHED PRITERING												
Sub Total	1.329			25-109100			7.511			7.511		xhibit P-5

25-109100 Exhibit P-5
BLIN: 109100 PAGE 3 OF 12 Cost Analysis

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ID Code:	P-1 Line 3 (109100) 8										
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
MORTAR, 81 MM ILLUM (DODIC C871)												
HARDWARE:												
LAP, CTG 81MM, M853A1	2.116	32,280	65.55	2.360	34,959	67.51				0.621	8,655	71.75
BODY TUBE AND TAIL CONE	1.274	36,893	34.53	1.421	39,956	35.56				0.373	9,867	37.80
FIN ASSEMBLY M27	0.692	36,893	18.76	0.772	39,956	19.32				0.203	9,867	20.57
FUZE, MTSQ, M772	3.238	36,893	87.79	3.613	39,956	90.42				0.947	9,867	95.98
IGNITION CTG, M752	0.927	36,893	25.13	1.034	39,956	25.88				0.271	9,867	27.47
ILLUMINANT CANISTER	4.694	36,893	127.23	5.237	39,956	131.07				1.371	9,867	138.95
PARCHUTE ASSEMBLY	0.740	36,893	20.06	0.825	39,956	20.65				0.217	9,867	21.99
PROPELLANT CHARGE, 81MM M219	0.866	138,801	6.24	0.966	150,325	6.43				0.253	37,217	6.80
PRODUCT												
ACCEPTANCE TESTING	0.430			0.480						0.120		
INDUSTRIAL STOCK SUPPORT	0.128			0.143						0.040		
INTERIM TRANSPORTATION	0.194			0.216						0.060		
PRODUCTION ENGINEERING	1.568			2.615						0.430		
QUALITY ASSURANCE	0.602			0.670						0.301		
Sub Total	17.469			20.352			0.000			5.207		
P-5 Total BLIN: 109100	18.798			25.222 <b>25-109100</b>			17.211			33.170		xhibit P-5

Exhibit P-5a, Procurement History and Planni	ng	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Nu	ımber:			P-1 Line	Item Nomenclature	:				
Procurement of Ammunition, Navy and Marine C	Corps/2/A	mmunitior	1	(109100)	81MM, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost		Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
MORTAR, 81MM HE MOF FZ (DODIC C868)										
FY 2006	1,530	890.00	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	UNKNOWN	DEC 06	MAR 08	YES	
FY 2007	1,503	906.00	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	UNKNOWN	DEC 07	MAR 09	YES	
MORTAR, 81MM HE PD FZ (DODIC C869)										
FY 2006	8,346	999.00	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	UNKNOWN	DEC 06	MAR 08	YES	
FY 2007	18,770	1017.00	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	UNKNOWN	DEC 07	MAR 09	YES	
MORTAR, 81MM ILLUM INFRARED (DODIC C484)										
FY 2005										
LOAD, ASSEMBLE & PACK (LAP)	5,387		ARDEC, PICATINNEY, NJ		UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
BODY TUBE AND TAIL CONE	6,064		ARDEC, PICATINNEY, NJ		UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
FIN ASSEMBLY M27	6,064		ARDEC, PICATINNEY, NJ		UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
FUZE MTSQ M772	6,064		ARDEC, PICATINNEY, NJ		UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
IGN CARTRIDGE	6,064		ARDEC, PICATINNEY, NJ		UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
INFRARED ILLUM CANISTER	6,064		ARDEC, PICATINNEY, NJ		UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
PARACHUTE ASSEMBLY	6,064		ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
PROPELLANT CHARGE M219	12,295	6.43	ARDEC, PICATINNEY, NJ	C/FFP	UNKNOWN	OCT 04	MAR 05	SEP 06	YES	
			25-109100						E	xhibit P-5a

BLIN: 109100 PAGE 5 OF 12 Procurement History and Planning

Exhibit P-5a, Procurement History and Plan	nning	Weapon S	ystem		Date:					
					FEBRUARY 2005	TUTE: ES  RFP Issue Award Da  NAL OCT 03 MAR 04  NAL UNKNOWN MAR 04  UNKNOWN MAR 04				
Appropriation Code/Budget Activity/Serial						e:				
Procurement of Ammunition, Navy and Marin	e Corps/2/	Ammunitio	on	(109100)	81MM, ALL TYPES					
				Contract	Contractor and	DED Tague		Date of First		Date Revisions
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Туре	Location		Award Date	Delivery	Now?	Available
MORTAR, 81MM SMOKE RP (DODIC C870)					FEBRUARY 2005  Line Item Nomenclature: 2000) 81MM, ALL TYPES  Fact and Contractor and Location Date  FIRE BLUFF ARSENAL PINE BLUFF, AR DETERMINED PI					
LOAD, ASSEMBLE & PACK (LAP)					FEBRUARY 2005  Line Item Nomenclature: 9100) 81MM, ALL TYPES  tract and and Contractor and End Date  Contractor and End Date  PINE BLUFF ARSENAL PINE BLUFF ARSENAL PINE BLUFF ARSENAL PINE BLUFF ARSENAL PINE BLUFF, AR UNKNO  PINE BLUFF, AR UNKNO  PINE BLUFF ARSENAL PINE BLUFF, AR UNKNO  PIFP GFM UNKNO  PIFP SCHRAMBERG, GERMANY UNKNO  PIFP AMERICAN ORDNANCE MILAN, TN UNKNO  PIFP AMERICAN ORDNANCE PIFP AMERICAN ORDNANCE  PIFP AMERICAN ORDNANCE  PIFP AMERICAN ORDNANCE  PIFP AMERICAN ORDNANCE					
FY 2004	2,588	271.25	ARDEC, PICATINNEY, NJ	P-1 Line Item Nomenclature: (109100) 81MM, ALL TYPES  Contract Method and Contractor and Location Date of the Method and Type Location Date of the Method and Contractor and Location Date of the Method and Location		OCT 03	MAR 04	SEP 05	YES	
	-,			-,	PINE BLUFF ARSENAL					
FY 2006	13,938	279.31	ARDEC, PICATINNEY, NJ	C/FFP		UNKNOWN	MAR 06	SEP 07	YES	
FY 2007	13,277	284.93	ARDEC, PICATINNEY, NJ	C/FFP	FEBRUARY 2005  Line Item Nomenclature: 81MM, ALL TYPES  act (100) 81MM, ALL TYPES  act (2001) 91MM, ALL TYPES  act		MAR 07	SEP 08	YES	
	-,,		.,				1			
M9 FLAKE .010 (LBS)										
FY 2004	60	38.46	ARDEC, PICATINNEY, NJ	C/FFP	GFM	OCT 03	MAR 05	SEP 06	YES	
FY 2006	278	39.57	ARDEC, PICATINNEY, NJ	C/FFP	GFM	UNKNOWN	MAR 06	SEP 07	YES	
FY 2007	310	38.46	ARDEC, PICATINNEY, NJ	C/FFP	GFM	UNKNOWN	MAR 07	SEP 08	YES	
CONTAINE										
FY 2004	10,352	4.25	ARDEC, PICATINNEY, NJ	C/FFP			MAR 04	SEP 05	YES	
FY 2006	55,752	4.48	ARDEC, PICATINNEY, NJ	C/FFP		UNKNOWN	MAR 06	SEP 07	YES	
					ARMTEC DEFENSE PROD					
FY 2007	56,432	4.45	ARDEC, PICATINNEY, NJ	C/FFP	COACHELLA, CA	UNKNOWN	MAR 07	SEP 08	YES	-
FUZE MTSQ M772					FEBRUARY 2005 P-1 Line Item Nomenclature: (109100) 81MM, ALL TYPES  Contract Method and Contractor and RFP I Expe Location Date  C/FFP PINE BLUFF ARSENAL PINE BLUFF ARSENAL PINE BLUFF, AR UNK  C/FFP PINE BLUFF, AR UNK  C/FFP GFM OCC C/FFP GFM UNK  C/FFP UNK  C/FFP GFM UNK  C/FFP UNK  C/FFP UNK  C/FFP MUNK  C/FFP MUNK					
					JUNGHAMS					
FY 2004	2,692	140.04	ARDEC, PICATINNEY, NJ	C/FFP		OCT 03	MAR 04	SEP 05	YES	
					***************************************					
FY 2006	15,889	148.97	ARDEC, PICATINNEY, NJ	C/FFP		UNKNOWN	MAR 06	SEP 07	YES	
FY 2007	15,270	147.13	ARDEC, PICATINNEY, NJ	C/FFP		UNKNOWN	MAR 07	SEP 08	YES	
	1		.,		, , , ,				76	
IGNITION CARTRIDGE										
FY 2004	2,692	27.86	ARDEC, PICATINNEY, NJ	C/FFP		OCT 03	MAR 04	SEP 05	YES	
					AMERICAN ORDNANCE					
FY 2006	15,889	29.39	ARDEC, PICATINNEY, NJ	C/FFP		UNKNOWN	MAR 06	SEP 07	YES	<u> </u>
FY 2007	15,270	29.14	ARDEC, PICATINNEY, NJ	C/FFP		UNKNOWN	MAR 07	SEP 08	YES	
DDODETIANT CUADCE M219		-				-	1	1		
PROPELLANT CHARGE M218					AMERICAN ORDNANCE					
FY 2004	10,352	2.04	ARDEC, PICATINNEY, NJ	C/FFP		OCT 03	MAR 04	SEP 05	NO	
FY 2006	55,752	2 12	ARDEC, PICATINNEY, NJ	C/FFD		IINKNOW	MAP 06	SEP 07	NO	
2200	33,132	2.13	ALDEC, FICHILINIEI, NO	C/FFF		OINTINOMIN	OU Ment	SEF UI	TNO	
FY 2007	55,104	2.11	ARDEC, PICATINNEY, NJ	C/FFP		UNKNOWN	MAR 07	SEP 08	NO	
		I	25-109100			İ	I	I	F	xhibit P-5a
DI TN. 100100			25-109100 DACE 6 OF 12					Dwagumaman		nd Planning

25-109100 Procurement History and Planning BLIN: 109100

				25-109100						F	Exhibit P-
PROPELLANT CHARGE, M219	150,325	6.43	ARDEC,	PICATINNEY, NJ	C/FFP	HITECH, EAST CAMDEN, AR	OCT 04	MAR 05	SEP 06	YES	
PARACHUTE ASSEMBLY	39,956	20.65	ARDEC,	PICATINNEY, NJ	C/FFP	CALHOUN, NE	OCT 04	MAR 05	SEP 06	YES	<u> </u>
ILLUMINANT CANISTER	39,936	131.07	AKUEC,	FICALINNEI, NU	C/FFF	WILKINSON MFG, PORT	001 04	CU MAIN	SEP UU	153	+
TILIMINANT CANICTED	39,956	121 07	ADDEC	PICATINNEY, NJ	C/FFP	CRANE, AAA, CRANE, IN	OCT 04	MAR 05	SEP 06	YES	
IGNITION CTG, M752	39,956	25.88	ARDEC,	PICATINNEY, NJ	C/FFP	PERRY, FL	OCT 04	MAR 05	SEP 06	YES	
PUZE, MTSQ, M772	39,956	90.42	ARDEC,	PICATINNEY, NJ	C/FFP	DIEHL MFG, NUREMBERG, GE MARTIN ELECTRONICS,	OCT 04	MAR 05	SEP 06	YES	
FIN ASSEMBLY M27	39,956	90.42	ARDEC,	PICATINNEY, NJ	C/FFP	WILKINSON MFG, PORT CALHOUN, NE	OCT 04	MAR 05	SEP 06	YES	
BODY TUBE AND TAIL CONE	39,956	35.56	ARDEC,	PICATINNEY, NJ	C/FFP	MEDICO IND, WILKES- BARRE, PA	OCT 04	MAR 05	SEP 06	YES	
LAP, CTG, 81MM, M853A1	32,280	67.51	ARDEC,	PICATINNEY, NJ	C/FFP	PINE BLUFF ARSENAL, PINE BLUFF, AR	OCT 04	MAR 05	SEP 06	YES	
FY 2005											+
PROPELLANT CHARGE, M219	138,801	6.24	ARDEC,	PICATINNEY, NJ	C/FFP	HITECH, EAST CAMDEN, AR	OCT 03	MAR 04	SEP 05	YES	
PARACHUTE ASSEMBLY	36,893	20.06	ARDEC,	PICATINNEY, NJ	C/FFP	WILKINSON MFG, PORT CALHOUN, NE	OCT 03	MAR 04	SEP 05	YES	
ILLUMINANT CANISTER	36,893	127.23	ARDEC,	PICATINNEY, NJ	C/FFP	CRANE, AAA, CRANE, IN	OCT 03	MAR 04	SEP 05	YES	
IGNITION CTG, M752	36,893	25.13	ARDEC,	PICATINNEY, NJ	C/FFP	MARTIN ELECTRONICS, PERRY, FL	OCT 03	MAR 04	SEP 05	YES	
FUZE, MTSQ, M772	36,893	87.77	ARDEC,	PICATINNEY, NJ	C/FFP	DIEHL MFG, NUREMBERG, GE	OCT 03	MAR 04	SEP 05	YES	
FIN ASSEMBLY M27	36,893	18.76	ARDEC,	PICATINNEY, NJ	C/FFP	WILKINSON MFG, PORT CALHOUN, NE	OCT 03	MAR 04	SEP 05	YES	
BODY TUBE AND TAIL CONE	36,893	34.53	ARDEC,	PICATINNEY, NJ	C/FFP	MEDICO IND, WILKES- BARRE, PA	OCT 03	MAR 04	SEP 05	YES	
LAP, CTG, 81MM, M853A1	36,343	65.55	ARDEC,	PICATINNEY, NJ	C/FFP	PINE BLUFF ARSENAL, PINE BLUFF, AR	OCT 03	MAR 04	SEP 05	YES	
FY 2004											1
MORTAR, 81MM ILLUM (DODIC C871)											
WBS COST ELEMENTS	Qty	Unit Cost	Locatio	n of PCO	Туре	Contractor and Location	Date	Award Date		Now?	Available
					Contract Method and		RFP Issue		Date of	Tech Data	Date Revisions
Procurement of Ammunition, Navy and Mari	ne Corps/2/A	Ammunitio	n T		81MM, AL	L TYPES			<u> </u>		1
Appropriation Code/Budget Activity/Seria						Item Nomenclature:					(10910
	anning	Weapon S	-			Date: FEBRUARY 2005					

Exhibit P-5a, Procurement History and Pla	nning	Weapon S	System		Date: FEBRUARY 2005									
Appropriation Code/Budget Activity/Serial Procurement of Ammunition, Navy and Marin	### FEBRUARY 2005  ation Code/Budget Activity/Serial Number: ent of Ammunition, Navy and Marine Corps/2/Ammunition    P-1 Line   Item Nomenclature:													
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Method and			Award Date	First	Available					
MORTAR, 81MM ILLUM (DODIC C871) (CONTINUED)														
FY 2007														
LAP, CTG, 81MM, M853A1	8,655	71.75	ARDEC, PICATINNEY, NJ	C/FFP	ARSENAL, PINE	UNKNOWN	MAR 07	SEP 08	YES					
BODY TUBE AND TAIL CONE	9,867	37.80	ARDEC, PICATINNEY, NJ	C/FFP	WILKES-BARRE,	UNKNOWN	MAR 07	SEP 08	YES					
FIN ASSEMBLY M27	9,867	20.57	ARDEC, PICATINNEY, NJ	C/FFP	PORT CALHOUN,	UNKNOWN	MAR 07	SEP 08	YES					
FUZE, MTSQ, M772	9 867	95 98	ARDEC PICATINNEY N.	C/FFD		IINKNOWN	MAR 07	SED 08	VES					
IGNITION CTG, M752					ELECTRONICS,									
ILLUMINANT CANISTER	9,867	138.95	ARDEC, PICATINNEY, NJ	C/FFP		UNKNOWN	MAR 07	SEP 08	YES					
PARACHUTE ASSEMBLY	9,867	21.99	ARDEC, PICATINNEY, NJ	C/FFP		UNKNOWN	MAR 07	SEP 08	YES					
PROPELLANT CHARGE, M219	37,217	6.80	ARDEC, PICATINNEY, NJ	C/FFP	HITECH, EAST CAMDEN, AR	UNKNOWN	MAR 07	SEP 08	YES					
		1	25-109100						E	 xhibit P-5a				

Procurement History and Planning

Exhibit P-21, Production	on Schedule													Dat FEB		RY 2	005													
Appropriation Code/Budg Procurement of Ammuniti				mmur	nitio	n				Wea	apon	Sys	tem			ne I 0) D										PD	FU:	ZE		
									PRO	DUCT	'ION I	RATE					PRO	CURE	MENT	LEA	ADTII	MES								
Item			Manuf and L			Name	9	MS	SR	E	CON	М	AX		Prio		ALT to (	Afte Oct 1		Int: Mfg			Reo:		r Mfg	Tota		Unit Meas		
C869					UFF A BLUFF			60	00	20	000	35	500		6			6			15			15		2	21		K	
			ı			Fis	cal	Year	200	4				1				Fisc	cal	Year	200	)5	1					<u> </u>		
									Cal	.enda	ır Ye	ar 2	004								Cal	enda	r Ye	ar :	2005					
The second	F	S V C	Q T Y	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	A	J U N	J U L	A U G	S E P	ВА
Item C869	2004		0.00				V	C	IN	В	K	R	1	IN	П	G	Р	1	V	C	IN	В	K	K	1	IN	ш	G	P	0.0
	2005		0.00																							$\vdash$			$\overline{}$	0.0
	2006		8.35			;																				$\Box$				8.3
	2007	MC	18.77	0.00	18.7	,																				П				18.7
		•	•			Fis	cal	Year	200	6					•			Fisc	al	Year	200	7	•	•						
									Cal	.enda	r Ye	ar 2	006								Cal	enda	r Ye	ar :	2007					
	F	s v	Q T	D E	В	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E P	O C	N O	D E	J A	F E	M A	A P	A	J U	J U	A U	S E	В
G960	Y 2004	С	Y	L	L	Т	V	C	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R	R	Y	N	L	G	P	L
C003																										$\vdash$		$\vdash$		0.0
																				А						$\vdash$				8.3
																				<u> </u>						$\Box$				18.7
C869			Exh	ibit	P-21																									

Exhibit P-21, Production Schedu	le													Dat FEB	e: RUAR	Y 2	005													
Appropriation Code/Budget Activ Procurement of Ammunition, Navy				munit	ion				V	Wear	pon	Syst	em				cem 1								PD	FUZE				
									PROD	UCTI	ION F	ATE					PR	OCUR	EMEN'	T LEA	ADTIM	MES								
Item			Manufact	turer's Name	and Location	ı		MSI	R	EC	ON	M	AX	ALT P	rior to O	ct 1	ALT A	fter to O	ct 1	Intitial	Mfg PL	Т	Reorde	er Mfg P	LT	Total		Unit of M	Measure	
C869			PINE B	LUFF ARS	ENAL PINE I	BLUFF,	, AR	600	0	20	000	35	00		6			6			15			15		2	21		K	
			1			Fiscal Y	Year 200		Į.					I.				Fiscal Y	Year 20				I.			1				
			1	1	1			C	Calenda	r Year	2008			1	1		1	1			Calend	lar Yea	r 2009	1	1	1		т т		
	F	s V	Q T	D E	B A	O C	0	D E	J A	F E	M A	A P	M A	J U	J	A U	S E	0	N O	D E	J A	F E	M A	A P	M A	J U	J	A U	S E	B A
Item	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
C869	2004		0.00		0.00																							<b>↓</b>		0.0
	2005		0.00		0.00																			<u> </u>	<u> </u>			$\vdash$		0.0
	2006 2007		8.35 18.77		8.35 18.77			А			0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.65	1.6	1.6	1.6	1.6	1.6	1.6		7.5
	2007	MC	18.//	0.00		Piggs	l Year						<u> </u>		1			Figgs	l Vos	r 2011	<u> </u>		1.6	1.6	1.0	1.6	1.6	1.6	1.6	7.5
						FISCA	I Tear		Calend	ar Ve	aar 20	10						FISCA	ı rea			ndar Y	oar 2	011						
	F	S V	Q T	D E	B A	O C T	0	D E	J A	F E	M A	A P	M A Y	J U	J U	A U	S E	0 C T	N O V	D E C	J A	F E	M A	A P	M A	J U	J U	A U	S E	B A
9060		C	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R	R	Y	N	L	G	P	L
C869	2004 2005		0.00		0.00	-+		-+						<u> </u>								<u> </u>	<u> </u>	1	+	<del>                                     </del>		$\vdash$		0.0
	2005		8.35		0.00									<del>                                     </del>							1	<del>                                     </del>	<del>                                     </del>	1	1	1		+		0.0
	2007		18.77		7.57	1.6	1.6	1.6	1.6	1.17				1								1	1	1						0.0
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BLIN: 109100 PAGE 10 OF 12 Production Schedule

Exhibit P-21, Production Sc	hedule													Dat FEB	e: RUAI	RY :	2005	5												
Appropriation Code/Budget A Procurement of Ammunition,				mmu	niti	on				Wea	pon	Sys	tem		Lir 9100												LLU	М		
									PROI	DUCT	'ION	RATE					PRO	CURE	EMENT	r LE.	ADTI	MES								
Item			Manui and I		urer':	s Nai	ne	MS	SR	EC	!ON	M.Z			Pric Oct 1		ALT to C				itia PLT		Reo:			Tot	al		t of sure	
C871			PINI		F ARSE LUFF, AI		NE	15	50	25	50	50	00		12			12			18			18		3	30		K	
						Fisc	cal :	Year	200	4				l .				Fisc	cal '	Year	200	)5	<u> </u>			ļ		<u> </u>		
									Cale	enda	r Ye	ar 20	004								Cal	enda	r Ye	ar 2	2005	i				
	F	s V	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	U		A U	S E	B A
Item	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
C871	2004		36.3		36.3	1					A												,		-			⊢	2.7	33.6
	2005		35.0		35.0																		A					+-	$\vdash$	35.0
	2006		5.5		5.5	1																			1			$\vdash$		5.5
	2007	PIC	3.3	0.0		Fisc	al '	Vear	200	6					l l			Fisc	al '	Vear	200	7				1				
						1					r Ye	ar 20	006								1		r Ye	ar 2	2007					
	F	S V	Q T	D E L	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	U	U	A U	S E	B A
Item	Y	С	Y		L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
C871	2004		32.3		29.6		2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6									1			$\vdash$		0.0
	2005	MC	35.0		35.0												2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	9 2.9	2.9	2.9	3.1	$\vdash$	35.0
	2006		0.0		0.0																	-			+	-		$\vdash$	$\vdash$	0.0
	2007	MC	8.7	0.0	8.7				25-10														A		1			┸_		8.7 it <b>P-21</b>

Exhibit P-21, Production Schedule														Dat FEE		ARY 2	2005	,												
Appropriation Code/Budget Activity/Seria Procurement of Ammunition, Navy and Mari				muni	tion					Wea	pon	Sys	tem			ne 1									: S, I	LLUM	1			
									PRO	DUCT	CION	RATE					PR	OCUR	EMEN	T LE	ADTI	MES								
Item			Manufac Locatio		's Na	me ar	nd	MS	SR	EC	ON	M	AX	ALT to (	Pri Oct			Aft Oct		Inti Mfg			Reor PLT	rder		Tota	1	Unit Meas		
C871			PINE BLU	FF ARSE	NAL PIN	E BLUF	F, AR	15	50	2	50	5	00		12	!		12			18			18		3	0		K	
						Fisc	al Ye	ar	2008			l					1	Fisc	cal	Year	200	9				l				
				1	1				Cale	enda	r Ye	ar 20	800								Cale	enda	r Ye	ar 20	009					
	F	S V	Q T	D E	В	0	N O	D E	J A	F	M A	A P	M A	J U	J U	A U	S	0	N O	D E	J A	FE	M A	A P	M A	J	J	A U	S	B A
Item C871	Y 2004	С	Y 32.30	L 32.30	0.00	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	0.00
C671	2004		35.00																											0.00
	2006		0.00																											0.00
	2007	MC	8.70	0.00	8.70												0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.67		0.00
						Fisc	al Ye	ear	2010									Fisc	cal '	Year	201	1								
	1			1	1	1	1		Cale	enda	r Ye	ar 20	10	1			1				Cale	enda	r Ye	ar 20	011	ı		1		
	F	S V	Q T	D E	В	0 C	N O	D E	J A	F	M A	A P	M A	J	J U	A U	S	0 C	N O	D E	J A	F	M A	A P	M A	J	J	A U	SE	В
Item	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
C871	04	MC MC	32.30	32.30											-		1													0.00
	06	MC MC	12.72														1													0.00
	07	MC	5.54																											0.00

Exhibit P-40, Budg	get Ite	m Justif	ication				Date: FEBRUARY 2	2005			
Appropriation Code/Bu Procurement of Ammuni Corps/2/Ammunition	_	-		r:	P-1 Item (112100)	Nomenclat 120MM, AL					
Program Element for C	ode B It	ems:		Other Rela	ated Progr	am Elemen	ts				
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	39.241	15.305	7.231	35.677	50.491	64.898	61.288	97.804		371.935

Description: This line includes 120mm, All Types. The Cartridge, 120mm Target Practice Cartridge with Tracer (TP-T) M831 series (DODIC C784) is a fixed 120mm cartridge which simulates the ballistics of the High Explosive Anti-tank Multi-Purpose with Tracer (HEAT-MP-T) M830 series Cartridge. The M831 series Cartridge with inert projectile is intended for use in the 120mm smooth bore M256 cannon.

The Cartridge, 120mm Target Practice Cone Stabilized Discarding Sabot with Tracer (TPCSDS-T) M865 (DODIC C785) is a kinetic energy, target practice round for use with the 120mm smooth bore M256 cannon; and is designed to simulate the service round characteristics at reduced maximum ranges to allow the practice firings on short range proving grounds and training areas.

The Cartridge, 120mm HEAT-MP-T M830A1 (DODIC C791) is used in the 120mm smooth bore M256 cannon for anti-tank and air defense capability.

The M1002 Target Practice Multi-Purpose Cartridge with Tracer (TPMP-T) (DODIC CA31) is a 120mm Training Cartridge for the tactical M830A1 HEAT-MP-T Cartridge.

Main Battle Tank. The XM1028 canister tank cartridge is a tank round comprised of 1150 tungsten balls, which are expelled upon muzzle exit. There is no fuse on this round. While the dispersion pattern increases with range as the velocity of the balls decreases, the dense tungsten balls are used to minimize the velocity fall-off.

Expeditionary Fire Support System (EFSS) will be a family of 120mm that will include Illumination, High Explosive, and White Phosphorus munitions. The EFSS will provide all-weather, ground-based, close supporting, accurate, immediately responsive, and lethal indirect fire support for the Marine Air-Ground Task Force (MAGTF). EFSS will be the principal indirect fire support weapon for Marine Expeditionary Units and vertical assault elements of a Ship-To-Objective Maneuver force. EFSS will be capable of successfully engaging a spectrum of potential point and area targets, including motorized, light armored, and dismounted personnel targets, command and control systems, and indirect fire systems.

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ID Code: A		Item Nome 120MM, AL									
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
CTG, 120MM TP-T M831A1 (DODIC C784)												
LAP, COMPLETE ROUND	1.983	3,213	617.25	1.983	2,939	617.25						
CTG, 120MM TPCSDS-T M865 (DODIC C785)												
LAP, COMPLETE ROUND	3.155	5,891	613.53	4.892	7,776	629.12				4.734	26,696	649.30
CTG, 120MM HEAT-MP-T M830A1 (DODIC C791)												
LAP, COMPLETE ROUND	28.29	4,190	6750.50	7.924	1,256	6311.00				7.000	1,045	6695.34
CTG, 120MM TPMP-T M1002 (DODIC CA31)												
LAP, COMPLETE ROUND	3.000	1,675	1791.04							3.500	1,952	1792.65
CTG, 120MM CANISTER ROUND (DODIC CA38)												
LAP, COMPLETE ROUND										4.500	3,863	1165.00
EXPEDITIONARY FIRE SUPPORT SYSTEM												
SYSTEM UNDERGOING SOURCE SELECTION							7.231			15.929		0.00
PRODUCT												
ACCEPTANCE TESTING	0.459			0.071						0.002		
PRODUCTION ENGINEERING	1.177			0.313						0.010		
QUALITY ASSURANCE	1.177			0.122						0.002		
TOTAL	39.241			15.305			7.231			35.677		

Exhibit P-5a, Procurement History and	Planning	Weapon S	ystem		Date: FEBRUARY 2005					
					FEBRUARI 2005					
Appropriation Code/Budget Activity/Se	rial Numbe	er:		P-1 Line	I Item Nomenclature:					
Procurement of Ammunition, Navy and M	arine Corp	s/2/Ammu	nition	(112100)	120MM, ALL TYPES					
					Ī					
				Contract Method		RFP Issue		Date of First	Tech Data Available	Date Revisions
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	and Type	Contractor and Location	Date	Award Date	Delivery	Now?	Available
CTG, 120MM TP-T M831A1 (DODIC: C784)										+
COMPLETE ROUND M831A1										+
FY 2004	3,213		JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	OCT 03	JAN 04	OCT 04	YES	+
FY 2005	2,939	617.25	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	OCT 04	JAN 05	OCT 05	YES	+
CTG, 120MM TPCSDS-T M865 (DODIC: C785)										
COMPLETE ROUND M831A1										
FY 2004	5,891	613.53	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	OCT 03	JAN 04	OCT 04	YES	
FY 2005	7,776	629.12	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	OCT 04	JAN 05	OCT 05	YES	
FY 2007	26,696	649.30	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	UNKNOWN	JAN 07	OCT 07	YES	
CTG, 120MM HEAT-MP-T M830A1 (DODIC: C791)										+
COMPLETE ROUND M830A1										
FY 2004	4,190	6750.50	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	OCT 03	MAR 04	SEP 05	YES	
FY 2005	1,256	6311.00	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	OCT 04	MAR 05	SEP 06	YES	
FY 2007	1,045	6695.34	JMC, ROCK ISLAND, IL	C/FFP	ALLIANT TECH, PLYMOUTH MN	UNKNOWN	MAR 07	SEP 08	YES	1
CTG, 120MM TPMP-T M1002 (DODIC: CA31)										+
COMPLETE ROUND M1002										
FY 2004	1,675	1791.04	ARDEC, PICATINNY, NJ	C/FFP	ALLIANT TECH, PLYMOUTH MN	OCT 03	OCT 04	NOV 05	YES	
FY 2007	1,952	1792.65	ARDEC, PICATINNY, NJ	C/FFP	ALLIANT TECH, PLYMOUTH MN	UNKNOWN	OCT 07	NOV 08	YES	
EXPEDITIONARY FIRE SUPPORT SYSTEM										+
SYSTEM UNDERGOING SOURCE SELECTION						1			1	+
FY 2006			UNKNOWN	C/FFP	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	NO	+
FY 2007			UNKNOWN	C/FFP	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	NO	+
11 2007	l	l .	OINIGNOMIN	C/FFP	OTATTAOMIA	OTATITACMIA	OTATIONIN	OTATOTACAMIA	110	

ALLIANT TECH, PLYMOUTH, MN 0.1 1 5 6 6 6 18 18 24 K    Fiscal Year 2004   Fiscal Year 2005   Fiscal Year 2005																														
## PEBRUARY 2005  ## PEBRUARY 2006  ## PEBRUARY 2005  ## PEBRUARY 2006  ## PEBRUARY																														
	FEBRUARY 2005   FEBRUARY 2005   FEBRUARY 2005   FEBRUARY 2005   FEBRUARY 2005   FEBRUARY 2006   FEBRUARY 2006   FEBRUARY 2006   FEBRUARY 2006   FEBRUARY 2006   FEBRUARY 2006   FEBRUARY 2005   FEBRUARY 2006   FEBRUARY 2006   FEBRUARY 2006   FEBRUARY 2005   FEBRUARY 2006   FEBRUARY 2006   FEBRUARY 2006   FEBRUARY 2005   FEBRUARY 2006   FEBRUARY 2006   FEBRUARY 2006   FEBRUARY 2006   FEBRUARY 2006   FEBRUARY 2006   FEBRUARY 2007   FEBRUARY 200																													
Item																Tota	1	Unit	of M	easure										
C791			ALLI	LLIANT TECH, PLYMOUTH, MN   0.1   1   5   6   6   18														18		2	4		K							
		Manufacturer's Name and Location MSR ECON MAX Oct 1 Oct 1 PLT Piper to Oct 1 PLT														<u> </u>														
	And Location																													
Th		V	T	E	A	C	0	E	A	E	A	P	A	U	U	U	E	C	0	E	A	E	A	P	A	U	U	U	E	A
		Marine Corps/2/Ammunition												Y	N	ь	G													
C791		1	1								A																		0.35	
			And Location																											
	0,	ric.	1.05	0.00		_	al Ye	ear 2	006	<u> </u>	<u> </u>	l						Fisc	al Ye	ar 2	007	l		<u> </u>				<u> </u>		1.03
									Cale	ndar	Year	2006	5								Cale	ndar	Year	200	7					
Ttem		V	Т	E	A	C	0	E	A	E	A	P	A	U	U	U	E	C	0	E	A	E	A	P	A	U		U	E	A
C791		04 MC 4.19 0.00 4.19														J		0.00												
		S Q D B O N D J F M A M J J A S O N D J F M A P A U U U E C O E A E A P A P A U U U U E C O E A E A E A P A P A U U U U E C O E A E A E A P A P A U U U U E C O E A E A E A P A P A U U U U E C O E A E A E A P A P A U U U U E C O E A E A E A P A P A U U U U E C O E E A E A E A P A P A U U U U E C O E A E E A E A P A E A P A U U U U E C O E A E E A E A P A E A P A U U U U E C O E E A E A E A P A E A P A U U U U E C O E E A E A E A P A E A P A U U U U E C O E E A E A E A P A E A P A U U U U U E C O E E A E A E A P A E A P A U U U U U E C O E E A E A E A P A E A P A U U U U U E C O E E A E E A P A E A P A U U U U U E C O E E A E A E A P A E A P A U U U U U U U U U U U U U U U U U													0.11	0.11	0.05		0.00											
	06																		0.00											
	Calendar Year 2004    Calendar Year 2004   Calendar Year 2005																	1.05												

Exhibit P-21, Production Schedule															te: BRU	ARY	7 20	005											
Appropriation Code/Budget Activity/Serial Procurement of Ammunition, Navy and Marin				Ammu	niti	.on				Wea Sys	_								-	-		-			ure: HEAT	-MP	-T I	4830	A1
									PROD	UCTI	ON :	RATE					Pl	ROCU	REME	NT L	EADT	IMES	3						
Item			Manu: and			s Nam	ie	M	SR	EC	!ON	MA		ALT Pri Oct	or			Afte Oct 1		Inti Mfg		l	Reo:		Mfg	Tota		Unit Meas	
C791			ALLIZ	ANT TE	CH, PI	YMOUT	H, MN	0	.1	-	1	5	;		6			6			18			18		2	4		K
						Fisc	al Ye	ar	2008									Fisc	al Y	Year	200	9							
									Cal	enda	r Ye	ear 2	2008	3							Cale	enda	r Ye	ar 2	009				
	F	S V	Q T	D E L	B A	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U L	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S B E A
Item	Y	С	Y		L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P L
C791	04	MC	4.19	4.19																									0.00
		MC MC	0.00	0.00																									0.00
		MC	1.05		1.05											1	0 09	0 09	0 09	0 09	0 09	0 09	0 09	0.09	0 09	0.09	0 09	0 06	0.00
						Fisc	al Ye	ar :	2010	l	l			11						Year			1	1					
									Cal	enda	r Ye	ear 2	2010	)							Cale	enda	r Ye	ar 2	011				
	F	s V	Q T	D E	ВА	0 C	N O	D E	J A	F E	M A	A P	M A			A U	S E	0 0	N O	D E	J A	F E	M A	A P	M A	J	J U	A U	S B E A
Item	Y	C	Y	L	L	Т	V	С	N	В	R	R				G	P	Т	V	С	N	В	R	R	Y	N	L	G	P L
C791	04	MC	4.19	4.19																									0.0
	05	MC	1.26	1.26											_														0.00
		MC	0.00		0.00		-																						0.00
	07	MC	1.05	1.05	0.00																								0.0

Exhibit P-40, Budget	Item d	Justifica	ition				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunition		-		ammunition		Nomenclatu CTG 25MM, A					
Program Element for Code	B Items	:	Other Related Program Elements								
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	3.693	3.734	2.118	6.097	5.698	20.525	5.473	8.385		55.723

Description: The Cartridge, 25mm Dummy M794 Linked (DODIC A967) is used for non-firing system checkout used with the 25mm M242 Automatic Cannon for training of the crew. This M794 Cartridge is a modified M793 Target Practice with Tracer (TP-T) projectile silver brazed to a modified standard cartridge case and is completely inert. The cartridge case cavity is filled through an enlarged primer hole with an epoxy resin filler to approximate the weight of the M792 High Explosive Incendiary-Tracer (HEI-T) and M793 TP-T Service Cartridges. The threaded nose of the TP-T projectile is silver brazed to the projectile body to improve physical integrity. The external configuration of the M794 metal dummy cartridge (by use of standard components) is the same as that of the M792 HEI-T and M793 TP-T Service Cartridges. These cartridges are linked together by the M28 link.

The Cartridge, 25mm APDS-T M791 Linked (DODIC A974) is an Armor-Piercing Discarding Sabot with Tracer (APDS-T) round fired from the M242 Automatic Cannon. This cartridge is a fixed type, percussion primed 25mm ammunition, intended as an armor piercing service round to successfully engage light armored vehicles. The M791 Cartridge consists of a sabot encapsulated projectile body. This body is crimped to a steel cartridge case containing 98 grams of extruded propellant, a M115 Percussion Primer, and a booster pellet. The projectile body consists of a solid tungsten alloy penetrator, pressed-on aluminum windshield, pressed-in tracer pellet, molded discarding type nylon sabot, staked aluminum base and a pressed-on nylon nose cap. The penetrator is spin stabilized and penetrates a target solely by kinetic energy. Funds for this item are included in the outyear totals for this line item.

The Cartridge, 25mm Target Practice-Tracer (TP-T) M793 Linked (DODIC A976) is a target practice cartridge used in training, gun testing, and gun system functioning for the M242 25mm Automatic Cannon. The M793 is a fixed type, percussion primed 25mm projectile, and is intended as a substitute for the 25mm tactical round cartridge. The projectile is painted blue and is inert. The cartridge consists of a hollow, two-piece projectile body, which is crimped to a steel cartridge case containing 99 grams of ball propellant, M115 Percussion Primer, and booster pellet. The body of the projectile consists of a hollow steel body screw-on steel nosepiece, swaged iron-rotating band, and pressed-in tracer pellets. This projectile is configured only as linked ammunition.

The Cartridge, 25mm APFSDS-T M919 Linked (DODIC A986) is an Armor-Piercing Discarding Sabot with Tracer (APFSDS-T) cartridge fired from the M242 Automatic Cannon. This cartridge is a fixed type, percussion primed 25mm ammunition, intended as an armor piercing service round to successfully engage light armored vehicles. The M719 cartridge consists of a subcaliber projectile inside an aluminum sabot crimped to a steel cartridge case containing 98 grams of extruded propellant, a M115 Percussion Primer, and a booster pellet. The subprojectile consists of a depleted uranium penetrator and a threaded aluminum windshield with pressed-in tracer pellets. The three piece aluminum sabot utilizes a nylon obturator and a polyethylene nose cap.

27-138800 PAGE 1 OF 5 Exhibit P-40
Budget Item Justification

Exhibit P-40, Budget	Item Ju	ıstificat	ion				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		-			P-1 Item 1 (138800)						
Program Element for Code	B Items:			Other Relat	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	3.693	3.734	2.118	6.097	5.698	20.525	5.473	8.385		55.723

Description Continuation:

Light Armor Vehicle 25 (DODIC LAV). This funding is being used for the evaluation of advanced technology in the 25MM Family of munitions. The LAV-25 is an all-terrain, all-weather vehicle with night capabilities. It provides strategic mobility to reach and engage the threat, tactical mobility for effective use of fire power, fire power to defeat soft and armored targets, and battlefield survivability to carry out combat missions. It is air transportable via C-130, C-141, C-5 and CH-53 E. When combat loaded there are 210 ready rounds and 420 stowed rounds of 25mm ammunition as well as 400 ready rounds and 1200 stowed rounds of 7.62mm. There are 8 ready rounds and 8 stowed rounds of smoke grenades. A supplementary M240E1 7.62mm machine gun can be pintle-mounted at the commander's station in the turret. The LAV-25 is fully amphibious with a maximum of 3 minutes preparation.

27-138800 Exhibit P-40
BLIN: 138800 PAGE 2 OF 5 Budget Item Justification

Exhibit P-40a, Budget Item	Justifi	cation	for Agg	regated	l Items				Date:		
									FEBRUARY	2005	
Appropriation Code/Budget Activit	cy/Serial	Number:			P-1 Item						
Procurement of Ammunition, Navy a	and Marin	e Corps/2	2/Ammunit	ion	(138800)	CTG 25M	M, ALL T	/PES			
										То	
Procurement Items	ID Code	FY2004	FY2005	FY2006	FY2007					Complete	Total
Light Armor Vehicle 25 (DODIC LAV)	A	0.000	0.125	0.000	0.000						
		0	0	0	0						
P-40a Total		0.000	0.125	0.000	0.000						oit P-40a

27-138800

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BLIN: 138800

Exhibit P-40a Budget Item Justification for Aggregated

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	A			nclature: ALL TYPE:	5							
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
CTG 25MM DUMMY LINKED (DODIC A967)												
COMPLETE ROUND							0.373	11,410	32.69			
CTG, 25MM TP-T LINKED (DODIC A976)												
COMPLETE ROUND	3.558	170,076	20.92	3.609	184,320	19.58	1.745	87,820	19.87	4.746	234,254	20.26
CTG, 25MM APFSDS-T, M919 (DODIC A986)												
COMPLETE ROUND										1.351	13,245	102.00
PRODUCT												
PRODUCTION ENGINEERING	0.135											
P-5 Total	3.693			3.609 <b>27-138800</b>			2.118			6.097		Exhibit P-5

27-138800 Exhibit P-5
PAGE 4 OF 5 Cost Analysis

TOTAL 2580 DUMNY LINERD (DODIC A567)  TOTAL 2580 PURCH LINERD (DODIC A576)  TOTAL 2580 PURCH LINERD (LINERD	Exhibit P-5a, Procurement History and Pla	nning	Weapon	System		Date: FEBRUARY 2005					
## COST FLEMENTS ## COULT COULT COULT OF PCO TYPE CONTINUED (DODIC APP6) ## COULT COULT OF PCO TYPE CONTINUED (DODIC APP6) ## COULT COULT OF PCO TYPE CONTINUED (DODIC APP6) ## 2006			/Ammuni	tion							
FY 2006	WBS COST ELEMENTS	Qty		Location of PCO	Method and			Award Date	First	Available	Revisions
FY 2006	CTC 25MM DIMMY I THED (DODIC \$967)										
PY 2004	FY 2006	11,410	32.69	JMC,ROCK ISLAND,IL	C/FFP	UNKNOWN	UNKNOWN	DEC 06	MAY 08	YES	
PY 2004	CTG, 25MM TP-T LINKED (DODIC A976)										
PY 2005	FY 2004	170,076	20.92	JMC,ROCK ISLAND,IL	C/FFP		OCT 03	MAR 04	MAR 05	YES	
PY 2007	FY 2005					UNKNOWN	OCT 04		MAR 06	YES	
TTG, 25MM APFSDS-T, M919 (DODIC A986)  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  13,245 102.00 JMC,ROCK ISLAND,IL C/FFP UNXNOWN UNXNOWN MAR 07 MAR 08 YES  14,245 122 122 122 122 122 122 122 122 122 12	FY 2006	87,820	19.87	JMC,ROCK ISLAND,IL	C/FFP	UNKNOWN	UNKNOWN	MAR 06	MAR 07	YES	
FY 2007	FY 2007	234,254	20.26	JMC,ROCK ISLAND,IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	MAR 08	YES	
	CTG, 25MM APFSDS-T, M919 (DODIC A986)										
	FY 2007	13,245	102.00	JMC,ROCK ISLAND,IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	MAR 08	YES	
27-138800 Exhibit P-5a											

27-138800 PAGE 5 OF 5

BLIN: 138800

Exhibit P-5a Procurement History and Planning

Exhibit P-40, Budge	t Item Ju	stificati	.on				Date: FEBRUARY 20	05			
Appropriation Code/Budg Procurement of Ammuniti	-			unition	P-1 Item No (142800) 9M						
Program Element for Coo	le B Items:			Other Rela	ated Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	2.552	7.615	0.000	2.290	1.211	5.719	0.000	2.270		21.657

Description: The Cartridge, 9mm Jacketed Hollow Point JHP (DODIC A260) ammunition is a 9mm cartridge that produces a subsonic velocity and may be used in M9 Pistols and MP5N Submachine Guns. The cartridge has a brass case and a bullet consisting of a copper alloy jacket and lead-antimony slug. It can be identified by its jacketed hollow point configuration. Funds for this item are included in the outyear totals for this line item.

The Cartridge, 9mm Training-Practice Tracer (TP-T) M939 for Anti-Tank-4 (AT-4) (DODIC A358) is intended for use in the M287 Target Practice Launcher for training on the M136 (AT-4) Anti-Tank weapon. This cartridge is the only authorized ammunition for use in the M287 Target Practice Launcher. The cartridge has a lighter propellant charge than other 9x19mm small arms cartridges which enables it to duplicate the ballistic trajectory of the M136 High Explosive Anti-Tank (HEAT) round to 400 meters. The projectile of the 9mm M939 has a tracer element which allows the user to visually observe the flight of the projectile to the impact point. The cartridge is visually distinguished from other 9x19mm cartridges by its unique color identification marks. The M939 Cartridge has a red tip, a white band around the case mouth, and one half of the cartridge base is painted black.

The Cartridge, 9mm Ball M882 (DODIC A363) is intended for use against enemy personnel and for security purposes. This cartridge may be used in the M9 Service Pistol and the MP5N Submachine Gun. The M882 Ball consists of a brass cartridge case, a primer, propellant, and a plain bullet tip.

The Cartridge, 9mm Red Marking (DODIC AA12) is utilized with the M4A1 Carbine, Sig Sauer P226 Pistol, MP5 Submachine Gun and M9 Special Effects Small Arms Marking System (SESAMS) Adapter Kits. Weapons fitted with the training adapters will operate semi or full automatic simulating live fire. The intended use for this cartridge is to provide enhanced training by allowing force-on-force training versus firing at silhouette on impact. When the projectile impacts a target, the plastic projectile sheath breaks and detergent marks the target, thus indicating a hit. This cartridge consists of a composite brass/plastic cartridge case loaded with a plastic projectile filled with a fluorescent red, detergent based, non-toxic, washable, inert paste and is propelled by a conventional lead styphnate primer containing approximately .02 grams of GBSE propellant.

The Cartridge, 9mm Blue Marking (DODIC AA21) is utilized with the M4A1 Carbine, Sig Sauer P226 Pistol, MP5 Submachine Gun and M9 Special Effects Small Arms Marking System (SESAMS) Adapter Kits. Weapons fitted with the training adapters will operate semi or full automatic simulating live fire. The intended use for this cartridge is to provide enhanced training by allowing force-on-force training versus firing at silhouette on impact. When the projectile impacts a target, the plastic projectile sheath breaks and detergent marks the target, thus indicating a hit. This cartridge consists of a composite brass/plastic cartridge case loaded with a plastic projectile filled with a fluorescent blue, detergent based, non-toxic, washable, inert paste and is propelled by a conventional lead styphnate primer containing approximately .02 grams of GBSE propellant.

Weapons fitted with the M9 Special Effects Small Arms Marking System (SESAMS) Adapter Kit will operate semi or full automatic simulating live fire. The intended use for the SESAMS is to provide enhanced simulated automatic live fire training by allowing force-on-force training versus firing at silhouette on impact. When the round impacts a target, the plastic projectile sheath breaks and detergent marks the target, thus indicating a hit.

28-142800 Exhibit P-40
BLIN: 142800 PAGE 1 OF 4 Budget Item Justification

Exhibit P-40a, Budget Item Justific		Aggregat	ed Items				 	Date: FEBRUARY	2005	
Appropriation Code/Budget Activity/Serial Procurement of Ammunition, Navy and Marine	Number: e Corps/2/Amn	nunition				menclature: M, ALL TYPE				
Procurement Items	ID Code	FY2004	FY2005	FY2006	FY2007				To Complete	Total
9MM SESAMS (RED) (DODIC AA12)	A	0.734	1.800	0.000	1.203					
QTY		1,668,181	4,500,000	0	2,653,333					
9MM SESAMS (BLUE) (DODIC AA21)	A	0.752	1.600	0.000	1.087					
QTY		1,709,090		0	2,415,555					
SESAMS, SPC EFFECTS SMALL ARMS MK SYS	A	0.000	0.134	0.000	0.000					
QTY		0	335,000	0	0					
P-40a Total		1.486	3.534	0.000 <b>28-14280</b> 0	2.290					chibit P-40

BLIN: 142800

Exhibit P-5, Cost Analysis								Date: FEBRUAR	Y 2005			
Appropriation Code/Budget Activity/Serial Number:		P-1 Line Item (142800) 9MM,										
Procurement of Ammunition, Navy		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
9MM BALL (DODIC A363)												
LOAD ASSEMBLY & PACK (LAP)	0.866	10,825,000	0.08	3.396	37,733,333	0.09						
PRODUCT												+
ACCEPTANCE TESTING	0.021			0.07								
PRODUCTION ENGINEERING	0.147			0.506								
QUALITY ASSURANCE	0.032			0.109								
												+
												1
P-5 Total	1.066			4.081			0.000			0.000		+
	1.000		1	28-142		1	0.000		1	0.000	T1-	ibit P-5

Exhibit P-5a, Procurement His Planning	tory and	Weapon	n System		Date: FEBRUARY 2005					
Appropriation Code/Budget Act Procurement of Ammunition, Na					Item Nomenclature: 9MM, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
9MM BALL (DODIC A363)										
FY2004  LOAD ASSEMBLY & PACK (LAP)	10,825,000	0.08	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH INDEPDENCE, MO	OCT 03	JAN 04	JUL 04	NO	
FY2005										
LOAD ASSEMBLY & PACK (LAP)	37,733,333	0.09	JMC, ROCK ISLAND, IL	SS/FP	ALLIANT TECH INDEPDENCE, MO	OCT 04	JAN 05	JUL 05	NO	
	1	I		28-142800		L			E	xhibit P-5a

BLIN: 142800 Exhibit P-5a

BLIN: 142800 PAGE 4 OF 4 Procurement History and Planning

Exhibit P-40, Bud	get Ite	em Justif	ication				Date: FEBRUARY 2	005			
Appropriation Code/B Procurement of Ammun	_			r:	P-1 Item 1 (146800) (	Nomenclatu GRENADES,					
Program Element for	Code B 1	Items:		Other Relate	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	6.983	5.022	5.315	7.564	8.932	0.469	0.763	3.606		38.654

Description: This line includes Grenades, All Types. The Grenade, Launcher Smoke Infrared (IR) Screening M76 (DODIC G826) is used with the M250, M239, M243 Grenade Launchers installed on tanks, AAVs, and LAVs to provide infrared and visual smoke screening for armored/tactical vehicles in combat situations. The grenade has a plastic cylindrical main body. The plastic body houses the IR composition, burster, booster lead, and safe and arming (S&A) mechanism. The S&A mechanism consists of a spring-loaded slider/bore rider containing the explosive lead and a spring-loaded setback lock. A propellant assembly is retained in the body forming the complete grenade. The propellant assembly includes a pyrotechnic delay detonator, launch propellant, an electric match, and a propellant retainer with electrical contacts. When electrically initiated, the match activates and ignites the propellant and delay elements. Expanding gases propel the grenade from the launch tube.

The Fuze, Hand Grenade Practice M228 (DODIC G878) is a pyrotechnic delay-igniting fuze. DODIC G878 is used with the Grenade, Hand Practice M69 (DODIC G811). The fuze contains a primer and a pyrotechnic delay column. Assembled to the fuze is a striker, striker spring, safety lever, safety pin with pull ring, safety clip, and igniter assembly. The split end of the safety pin has an angular spread or a diamond crimp.

The Grenade, Hand Fragmentation M67 (DODIC G881) is used to supplement small arms fire against the enemy in close combat. The grenade produces casualties by high velocity projection of fragments in a uniform distribution pattern. The grenade body is a 2.5-inch diameter steel sphere that is designed to fragment when detonated. The grenade body contains 6.5 ounces of Composition B high explosive. This grenade is fuzed with the M213 Pyrotechnic Delay-detonating Fuze. It is designed to function the grenade 4 to 5.1 seconds after release of the safety lever. The body of the fuze contains a primer and a pyrotechnic delay column. Assembled to the body are a striker, a striker spring, a safety lever, a safety pin and pull ring, a safety clip, and a detonator assembly. The M213 Fuze is equipped with two safety features.

The Grenade, Hand Green Smoke M18 (DODIC G940) is used for screening, marking, and signaling. Each grenade will emit smoke for 50 to 135 seconds. The body of thin sheet metal is filled with a green smoke composition and topped with a starter mixture. The M201A1 Fuze is a pyrotechnic delay-igniting fuze. The body contains a primer, first fire mixture, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever, and safety pin with pull ring. The split end of the safety pin has an angular spread. Safety clips are not required with these grenades. Removal of the safety pin permits release of the safety lever. When the safety lever is released, a striker acting under the force of a striker spring forces it away from the grenade body. The striker rotates on its own axis and strikes the percussion primer. The primer initiates the first fire mixture, initiating the grenade.

Exhibit P-40, Budget	Item J	ustificat	tion				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunition		-			P-1 Item 1 (146800) (	Nomenclatu: GRENADES, A					
Program Element for Code	B Items	;:		Other Relate	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	6.983	5.022	5.315	7.564	8.932	0.469	0.763	3.606		38.654

Continued: The Grenade, Hand Yellow Smoke M18 (DODIC G945) is used for screening, marking, and signaling. Each grenade will emit smoke for 50 to 135 seconds. The body of thin sheet metal is filled with yellow smoke composition and topped with a starter mixture. The M201A1 Fuze is a pyrotechnic delay-igniting fuze. The body contains a primer, first fire mixture, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever, and safety pin with pull ring. The split end of the safety pin has an angular spread. Safety clips are not required with these grenades. Removal of the safety pin permits release of the safety lever. When the safety lever is released, a striker acting under the force of a striker spring forces it away from the grenade body. The striker rotates on its own axis and strikes the percussion primer. The primer initiates the first fire mixture, initiating the grenade.

The Riot Control Agent, CS (DODIC K765) is a riot control agent capsule that consists of ortho-chlorobenzylidene malano-nitrile. The CS is ground to a particle size of less than 840 microns. The filled capsule weighs about 0.82 grams. The capsules are used to demonstrate to trainees the protection effort afforded by properly fitted chemical-biological masks, and to demonstrate to unmasked trainees the effects of CS riot control agents.

The Floating Smoke Pot (FSP DODIC KM03) is a new item being procured using the Foreign Comparative Test (FCT) Program to replace older variants of smoke pots. This round is designed to screen personnel and equipment movement and will replace current systems with a non-toxic smoke payload and enhanced fuze.

The Signal, Illumination Ground White Star Cluster M159 (DODIC L307) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signals project to an altitude of approximately 700-800 feet and produce five illuminant "stars" that burn for 6 seconds (minimum). The signal consists of a five star illuminant assembly and a rocket motor propulsion assembly contained in a hand held aluminum launching tube. The base of the launching tube contains a primer and initiating charge. As shipped, the firing pin cap is placed on the forward/open end and must be removed and placed on the primer end (indicated by a red colored stripe) for firing. Stabilizing fins on the rocket are folded parallel to the axis of the signal.

The Signal, Illumination Ground White Star Parachute M127A1 (DODIC L312) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signal projects to an altitude of approximately 700-800 feet, producing a parachute suspended star that burns for approximately 25 seconds (minimum). The M127A1 Signal consists of a parachute suspended illuminant assembly and a rocket motor propulsion assembly contained in a hand-held aluminum launching tube. The base of the launching tube contains a primer and an initiating charge. As shipped, the firing pin cap is placed on the forward/open end and must be removed and placed on the primer end (indicated by a red colored stripe) for firing. Stabilizing fins on the rocket are folded parallel to the axis of the signal.

Exhibit P-40, Budget	Item J	ustifica	tion				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		_		Ammunition	P-1 Item I (146800) (	Nomenclatu GRENADES,					
Program Element for Code	B Items	;:		Other Relat	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	6.983	5.022	5.315	7.564	8.932	0.469	0.763	3.606		38.654

Continued: The Signal, Smoke and Illumination Marine MK124 Mod 0 (DODIC L283) is used for either day or night signaling, as appropriate, by personnel on land or sea. The signal is a one-handed operable device, intended for rescue use. This signal consists of an aluminum case with two raised beads around its circumference on the flare (night) end. These beads positively identify the flare end, by the sense of touch, for night-time use. A label attached to the outer surface of the case further identifies the smoke (day) and flare (night) ends and provides precise instructions for use. The case contains four sub assemblies; smoke candle, smoke igniter, flare candle, and flare igniter.

The Signal, Illumination Ground Green Star Cluster M125Al (DODIC L314) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signals project to an altitude of approximately 700-800 feet and produce five illuminant "stars" that burn for 6 seconds (minimum). The M125Al Signal consists of a five star illuminant assembly and a rocket motor propulsion assembly contained in a hand-held aluminum launching tube. The base of the launching tube contains a primer and an initiating charge. As shipped, the firing pin cap is placed on the forward/open end and must be removed and placed on the primer end for firing. Stabilizing fins on the rocket are folded parallel to the axis of the signal.

The Simulator, Target Hit M25 (DODIC L709) is used to notify the gunner and crew on live-fire ranges that a target has been hit by producing a flash spray. This simulator consists of an outer plastic container with a protective cap taped to it. Under the protective cap are ignition wires and a plug. The plastic container is filled with a pyrotechnic charge and is initiated electrically.

The Main Gun Signature Simulator (MGSS) (DODIC LA06) cartridge is used with the Multiple Integrated Laser Engagement Simulator (MILES) 2000 system to simulate main gun, tank, and artillery fire during training. This is a newly fielded item and is currently pending safety release. Currently, all Marine Corps assets are in Condition Code "D".

Exhibit P-40a, Budget I				gregated	Items			Date: FEBRUARY	2005	
Appropriation Code/Budget A Procurement of Ammunition,	Activity/Se Navy and M	erial Numb Marine Cor	per: ps/2/Ammun	ition		Nomenclatu GRENADES,	S			
	ID Code	FY2004	FY2005	FY2006	FY2007				To Complete	Total
RIOT CONTROL AGENT, CS CAPSULE (DODIC K765)	А	0.000	0.035	0.000	0.000					
QTY		0	87,500	0	0					
KM03 SMOKE POT, FLOATING, RP (DODIC KM03)	A	0.651	0.000	0.290	0.333					
QTY		504	0	341	392					
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MOMAT		0.651	0.035	0.290	0.333					
TOTAL		0.031	0.03	0.290	0.555				1	i

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ID Code:		Item Nomen GRENADES,									
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
GRENADE, LAUNCHER SMOKE IR/M76 (DODIC G826)												
COMPLETE ROUND				0.911	12,177	90.00				0.369	3,690	100.00
FUZE,GRENADE HAND PRACT, M228 (DODIC G878 )												
COMPLETE ROUND	4.513	1,397,213	3.23				4.156	937,802	4.55	4.452	658,561	4.88
GRENADE, HAND FRAG M67 (DODIC G881)												
COMPLETE ROUND				3.703	140,028	27.19						
GRENADE, HAND SMOKE GREEN M18 (DODIC G940)												
COMPLETE ROUND	0.673	24,364	38.79				0.523	14,538	41.41	0.705	14,538	42.65
GRENADE, HAND SMOKE YELLOW M18 (DODIC G945)												
COMPLETE ROUND	0.776	20,357	38.02							0.615	18,946	43.65
SIGNAL SMOKE 7 ILLUM MK124MOD 0 (L283)												
HARDWARE:												
COMPLETE ROUND										0.482	9,701	52.78
SIMULATOR, TANK MAIN GUN M30 (DODIC LA06)												
COMPLETE ROUND							0.070	23,841	3.02	0.070	22,508	3.11
PRODUCT												
INDUSTRIAL STOCK SUPPORT	0.036			0.035			0.025			0.001		
PRODUCTION ENGINEERING	0.325			0.256			0.152			0.431		
QUALITY ASSURANCE	0.009			0.082			0.099			0.106		
TOTAL	6.332			4.987			5.025			7.231		

Exhibit P-5a, Procurement History and Plan	nning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial	Number:			P-1 Line	Item Nomencla	ture:				
Procurement of Ammunition, Navy and Marine	e Corps/2/A	Ammunitio	n	(146800)	GRENADES, ALL	TYPES				
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
GRENADE, LAUNCHER SMOKE IR/M76(DODIC G826)										
LAP, COMPLETE ROUND G826										
FY 2005	12,177	90.00	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	OCT 04	SEP 06	MAR 08	YES	
FY 2007	3,690		JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	SEP 08	MAR 10	YES	
FUZE,GRENADE HAND PRACT M228(DODIC G878)										
LAP, COMPLETE ROUND G878										
FY 2004	1,397,213	3.23	JMC, ROCK ISLAND, IL	C/FFP	MARTIN ELECTRONICS INDUSTRIES PERRY, FL	OCT 03	SEP 05	MAR 06	YES	
FY 2006	937,802	4.55	JMC, ROCK ISLAND, IL	C/FFP	MARTIN ELECTRONICS INDUSTRIES PERRY, FL	UNKNOWN	SEP 07	MAR 08	YES	
FY 2007	658,561	4.88	JMC, ROCK ISLAND, IL	C/FFP	MARTIN ELECTRONICS INDUSTRIES PERRY, FL	UNKNOWN	SEP 08	MAR 09	YES	
GRENADE, HAND FRAG M67(DODIC G881)										
LAP, COMPLETE ROUND G881										
FY 2005	140,028	9.67	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	OCT 04	MAR 05	JAN 06	NO	
GRENADE, HAND SMOKE GREEN M18(DODIC G940)										
LAP, COMPLETE ROUND G940										
FY 2004	24,364	38.79	JMC, ROCK ISLAND, IL	C/FFP	AAP PINE BLUFF AR	OCT 03	SEP 04	MAR 06	YES	
FY 2006	14,538	41.41	JMC, ROCK ISLAND, IL	C/FFP	AAP PINE BLUFF AR	UNKNOWN	SEP 06	MAR 08	YES	
FY 2007	14,538	42.65	JMC, ROCK ISLAND, IL	C/FFP	AAP PINE BLUFF AR	UNKNOWN	SEP 07	MAR 09	YES	

Exhibit P-5a, Procurement History and Plan	ning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Procurement of Ammunition, Navy and Marine		Ammunitio	on		Item Nomencla GRENADES, ALL					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
GRENADE, HAND SMOKE YELLOW M18 (DODIC G945)										
LAP, COMPLETE ROUND G945										
FY 2004	20,357	38.02	JMC, ROCK ISLAND, IL	C/FFP	AAP PINE BLUFF AR	OCT 03	SEP 05	MAR 07	YES	
FY 2007	18,946	43.65	JMC, ROCK ISLAND, IL	C/FFP	AAP PINE BLUFF AR	UNKNOWN	SEP 07	MAR 09	YES	
SIGNAL, MARINE SMOKE ILLUM MK124 (L283)										
LAP, COMPLETE ROUND L283										
					MARTIN ELECTRONICS IINDUSTRIES					
FY 2007	9,701	52.78	JMC, ROCK ISLAND, IL	C/FFP	PERRY, FL	UNKNOWN	SEP 07	MAR 09	YES	
SIMULATOR, TANK MAIN GUN M30 (DODIC LA06)										
LAP, COMPLETE ROUND LA06										
FY 2006	23,841	3.02	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	SEP 06	MAR 08	YES	
FY 2007	22,508	3.11	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	SEP 07	MAR 09	YES	

Exhibit P-40, Budget	Item 3	Justifica	ation				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		_		Ammunition	P-1 Item I (147100) I						
Program Element for Code	B Items	3:		Other Relat	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	19.384	21.267	0.000	6.653	10.002	13.737	17.046	15.223		103.312

Description: This line includes Rockets, All Types.

The cartridge and launcher, 84mm M136 AT-4 (DODIC C995) is mainly employed against armored personnel carriers; it can be used against battle tanks when fired at the flanks or rear; and employed as an assault weapon against bunkers, field fortifications, and other hard-point positions. Issued as one round of ammunition, the AT-4 tactical round is a self-contained, lightweight, disposable weapon.

The Rocket, 83mm Assault MK3, Mod 0 (SMAW) (DODIC HX05) is designed for use against reinforced concrete, sandbag and timber bunkers, brick and block walls, and lightly armored vehicles.

The Rocket, 83mm High Explosive Anti-Armor (MEAA) MK6, Mod 0 (SMAW) (HX06) is designed especially for use against main battle tanks and other armored vehicles. Both the HX05 and HX06 are unguided, dual mode, high explosive rockets contained in a disposable oneshot rocket container.

The Rocket, High Explosive, 66mm M72A7 (DODIC HA29) is a lightweight, single shot, disposable weapon optimized to defeat lightly armored vehicles and other hard targets at close combat ranges.

30-147100 PAGE 1 OF 5 Exhibit P-40 Budget Item Justification

Exhibit P-5, Cost Analysis			Date: FEBRUARY 2	2005								
			FEBRUARY 2	2005								
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	A	P-1 Line It (147100) RO										
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
CARTRIDGE AND LAUNCHER,												
84MM M136 AT-4 (DODIC C995)												
COMPLETE ROUND	6.157	4,104	1500.24	5.123	3,412	1501.47						
ROCKET, 83MM DUAL MODE (DODIC HX05)												
COMPLETE ROUND	13.227	7,359	1797.17	13.594	7,507	1810.75						
ROCKET, 83MM HEAA (DODIC HX06)												
COMPLETE ROUND										6.091	4,000	1662.25
RCKT, 66MM HE M72A7 LAW (DODIC HA29)												
COMPLETE ROUND				2.550	1,136	2244.72						
PRODUCT										0.155		
ACCEPTANCE TESTING										0.259		
PRODUCTION ENGINEERING		_	_		-			-		0.148		_
QUALITY ASSURANCE												
TOTAL	19.384			21.267	30-147100					6.653		Exhibit P-5

Exhibit P-5a, Procurement History and Pla	anning	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Procurement of Ammunition, Navy and Marin		/Ammunitio	on		Item Nomencla ROCKETS, ALL					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	
CARTRIDGE AND LAUNCHER,										
84MM M136 AT-4 (DODIC C995)										
FY 2004										
LAP, COMPLETE ROUND C995	4,104	1500.24	MARCORSYSCOM	C/FFP	SAAB, SWEDEN	MAY 02	NOV 02	MAR 04	YES	
FY 2005										
LAP, COMPLETE ROUND M739	3,412	1501.47	MARCORSYSCOM	C/FFP	SAAB, SWEDEN	MAY 02	NOV 04	MAR 05	YES	
ROCKET, 83MM DUAL MODE (DODIC HX05)										
FY 2004										
LAP, COMPLETE ROUND HX05	7,359	1797.17	NSWC DALHGREN	C/FFP	TALLEY DEFENSE PHOENIX, AZ	OCT 99	OCT 03	MAR 04	YES	
FY 2005										
LAP, COMPLETE ROUND HX05	7,507	1810.75	NSWC DALHGREN	C/FFP	TALLEY DEFENSE PHOENIX, AZ	JUL 04	OCT 04	MAR 05	YES	
ROCKET, 83MM HEAA (DODIC HX06)										
FY 2007										
LAP, COMPLETE ROUND HX06	4,000	1662.25	MARCORSYSCOM	C/FFP	UNKNOWN	NOV 07	NOV 07	OCT 08	NO	
	1	ı	30-147100		1	<u> </u>	<u> </u>	<u> </u>	<u>I</u>	xhibit P-5a

Exhibit P-21, Production Schedule														Dat FEE		RY :	200	5												
Appropriation Code/Budget Activity/Ser Procurement of Ammunition, Navy and Ma					mmur	niti	on				apon stem									C ar.		-				AΑ				
									PROI	DUCT	ION	RATI	Ē				PRC	CURE	EMEN'	T LE.	ADTI	MES								
Item					cture nd Lo		on	M	SR	EC	CON	M	ΑX	ALT	Pri Oct			Aft Oct 1		Int: Mfg			Reo: Mfg			Tot		Unit Meas		
HX06				U	JNKNO	WN		15	500	7	50	18	300		12			1			11			6		2	24		E	
						Fis	cal	Year	200	)4								Fisc	cal	Year	200	)5				<u> </u>				
											r Ye	ar :	2004										r Ye	ar 2	2005					
	F		Т	D E	ВА	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J	A U	S E P	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	B A
Item	Y	_		L		Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
HX06					0.00																									0.00
			1		0.00																									0.00
					0.00																									0.00
	(	7 MC	4.00	0.00	04.00							ļ																		4.00
						Fis	cal :	Year										Fisc	cal	Year										
				1					Cal	enda	r Ye	ar :	2006	1	1					1	Cal	enda	r Ye	ar 2	2007	1	1			
	F Y	S V C	Т	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
нх06	(	04 MC	0.00	0.00	0.00																									0.00
	(	)5 MC	0.00	0.00	0.00																									0.00
					0.00																									0.00
	(	)7 MC	4.00	0.00	0 4.00																									4.00

30-147100 Exhibit P-21
PAGE 4 OF 5 Production Schedule

Exhibit P-21, Production Scheo	dule													Date FEBF	e: RUARY	2005	5													
Appropriation Code/Budget Acti	ivity/Seri	al	Numb	er:						Wear	on S	ystem	ı	P-1	Line	Iter	n DOD	IC a	nd N	omen	clat	ure:								
Procurement of Ammunition, Nav	_				/Ammı	uniti	.on					•		(147	7100)	DODI	IC: H	X06,	ROC	KET,	83M	M HE	AA							
									PR	ODUCT	ION RA	ATE					PF	ROCURE	MENT	LEAD'	TIMES									
Item				ıfactı ıtion	ırer's	Name	and	M	SR		CON		AX	ALT I	Prior	to	ALT A	After		Intit PLT	tial 1	Mfg	Reor	der M	fg	Tot		Unit o		
HX06					UNKNO	WN		15	00	7	50	18	00		12			1			11			6			:4		E	
						Fisca	ıl Yea	r 2008	3									Fisca	al Ye	ar 20	09									
									Calen	dar Y	ear 20	800									Caler	ndar	Year	2009						
	F		Т	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	0 C	N 0	D E	J A	F E	M A	A P	M A	J U	J U	A U	Ε .	B A
Item HX06	Y	_		L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G		L
HXU6		MC MC	0.00												1		<u> </u>										$\longrightarrow$			.00
		MC	0.00								1						1										$\longrightarrow$			.00
		MC	4.00				Α											0.33	0 33	0.33	0.33	0 33	0 33	0.33	0.33	0.33	0.33	0.33	0.37 0	
	1	1				Fisca	l Yea	r 2010	)	<u> </u>	1	I			1	1	1	Fisca												
									Calen	dar Y	ear 20	010										ndar	Year	2011						
		S		D	В	0	N	D	J	F	М	А	М	J	J	A	S	0	N	D	J	F	М	A	М	J	J	A		В
	F	V		E	A	C	O V	E	A	E	A	P	A	U	U	U	E	C	O V	E	A	E	A	P	A	U	U	U		A
HX06	Y	MC	0.00	0.00	0.00	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R	R	Y	N	ь	G	P .	.00
imoo	05		0.00	_	_		1				1	1		<b> </b>	1	1				-			<b> </b>	<b> </b>	<b> </b>		$\overline{}$	$\rightarrow$		.00
	06	_	0.00								1																			.00
		MC															1													###
•		•						30-1	47100		1					1		181					·					Exhi	bit P-	-2-

30-147100 Exhibit P-21
BLIN: 147100 PAGE 5 OF 5 Production Schedule

Exhibit P-40, Budget	Item d	Justifica	ation				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		-			P-1 Item I (147300) Z		re: ALL TYPES				
Program Element for Code	5:		Other Relate	ed Program	Elements						
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	52.018	55.384	31.810	42.398	48.169	45.020	80.065	61.205		416.069

Description: The Projectile, 155mm High Explosive (HE) M795 (DODIC D529) is used in the 155mm M198 Howitzer and is compatible with the M777 Light Weight 155 Howitzer. This projectile is used to provide conventional support fires and provides an increase in range, lethality, and accuracy over the older M107 series 155mm projectile.

The Projectile, 155mm High Explosive (HE) M107 (DODIC D544) is used in the 155mm M198 Howitzer and is compatible with the M777 Light Weight 155 Howitzer. This projectile is used to provide conventional support fires.

The Projectile, 155mm Smoke White Phosphorus (WP) M110A2 (DODIC D550) is used in the 155mm M198 Howitzer and is compatible with the M777 Light Weight 155 Howitzer. This projectile is used to provide smoke for marking purposes and can be used to provide screening of mechanized or infantry maneuver.

The M231 is a Low-Zone Modular Artillery Charge System (MACS) (DODIC DA12) used as a propelling charge for the 155mm family of artillery projectiles. MACS M231 will offer improvements in logistics, range, and simplicity when compared to existing bag propellants (M3 series and M4 series).

The M232 is a Top-Zone Modular Artillery Charge System (MACS) (DODIC DA13) used as a propelling charge for the 155mm family of artillery projectiles. MACS M232 will offer improvements in logistics, range, and simplicity when compared to existing bag propellants (M203 series, M119 series and M4 series).

Exhibit P-5, Cost Analysis								Date: FEBRUARY 2	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ID Code: A	P-1 Line It (147300) AF										
	1	FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
PROJ, 155MM HE EX RANGE M795 (DODIC D529)												
LAP, PROJ 155MM M795	5.882	49,472	118.25	4.396	37,731	116.51	1.375	13,840	99.35	2.180	20,786	104.88
LIFTING PLUGS	0.356	51,248	6.95	0.266	38,873	6.84	0.083	14,259	5.82	0.132	21,415	6.16
PROJ M795 MPTS	10.585	51,248	206.54	7.911	38,873	203.51	2.474	14,259	173.50	3.923	21,415	183.19
SUPPLEMENTAL CHARGES	0.253	51,248	4.94	0.189	38,873	4.86	0.059	14,259	4.14	0.094	21,415	4.39
TNT TYPE I GRADE A(LB)	3.693	1,240,535	2.98	2.760	940,988	2.93	0.863	345,161	2.50	1.369	518,390	2.64
WOODEN PALLETS	0.29	6,030	48.09	0.217	4,574	47.44	0.068	1,678	40.52	0.108	2,520	42.86
PROJ, 155MM HE M107 (DODIC D544)												
LAP, PROJ 155MM M107	8.541	59,670	82.96	3.232	45,317	71.32	4.208	37,203	113.11	4.884	31,553	154.79
*COMP B TYPE 1 GRADE A(LB)	5.203	1,013,962	2.97	1.969	770,064	2.56	2.564	632,184	4.06	2.975	536,175	5.55
*PLUG, SHOCK ATTENUATING	0.230	60,483	2.20	0.087	45,934	1.89	0.113	37,710	3.00	0.131	31,983	4.10
*SUPPLEMENTAL CHARGES	0.476	60,483	4.56	0.180	45,934	3.92	0.234	37,710	6.21	0.272	31,983	8.50
GROMMET (EA)	0.164	61,076	1.56	0.062	46,385	1.34	0.081	38,080	2.13	0.094	32,297	2.91
PROJ M107 MPTS	13.831	60,483	132.55	5.234	45,934	113.95	6.815	37,710	180.72	7.909	31,983	247.29
RECLAIM OP F/SUPL CHARGE	0.645	60,483	6.18	0.244	45,934	5.31	0.318	37,710	8.43	0.369	31,983	11.54
PRODUCT												
ACCEPTANCE TESTING	0.444			0.291			0.133			0.187		
PRODUCTION ENGINEERING	1.012			0.657			0.306			0.429		
QUALITY ASSURANCE	0.263			0.127			0.110			0.135		
INTERIM TRANSPORTATION	0.024			0.009	-		0.012			0.014	-	
Sub Total	51.892			27.831			19.816			25.205		

Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marin Corps/2/Ammunition	A		Item Nome	_				FEBRUARY	2005			
		( · · · · )		enclature: 7, ALL TYPE	S							
		FY04			FY05			FY06			FY07	
NBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE:												
PROJ, 155MM WP M110A2 (DODIC D550)												
LAP, PROJ 155MM M1110A2				0.964	3,516	274.28	1.575	5,530	284.81	1.934	6,730	287.37
TNT TYPE I FLAKE (LB)				0.001	795	2.34	0.002	1,250	1.60	0.002	1,521	1.31
CASING BSTR (EA)				0.218	3,593	60.74	0.356	5,651	63.00	0.437	6,877	63.55
CHG BSTR M54A1 ASSY (EA)				0.328	3,632	90.44	0.536	5,712	93.84	0.658	6,951	94.66
CYCLOTOL 75/25 TYPE I				0.047	6,876	6.85	0.077	10,815	7.12	0.094	13,162	7.22
GROMMET (EA)				0.006	3,632	1.84	0.010	5,712	1.75	0.012	6,951	1.73
PLUG, SHOCK ATTENTUATING				0.027	3,593	7.65	0.044	5,651	7.79	0.054	6,877	7.85
PROJ, 155MM WP M110A1 MPTS (EA)				1.021	3,593	284.35	1.668	5,651	295.17	2.048	6,877	297.80
L55MM MOD ARTY CHG SYS M231 (DODIC DA12)												
LAP, COMPLETE ROUND M231	5.513	73,089	75.43	14.446	187,003	77.25	4.576	57,510	79.57	5.992	73,129	81.94
L55MM MOD ARTY CHG SYS M232 (DODIC DA13)												
LAP, COMPLETE ROUND M232				10.043	98,187	102.29	4.565	43,331	105.35	7.303	67,311	108.50
PRODUCT												
ACCEPTANCE TESTING	0.185			0.917			0.451			0.624		
INTERIM TRANSPORTATION												
PRODUCTION ENGINEERING	0.275			1.443			0.796			1.087		
QUALITY ASSURANCE	0.051			0.325			0.246			0.323		
NONRECURRING												
GOVERNMENT FURNISHED MATERIAL	-5.898			-2.233			-2.908			-3.375		
Sub Total	0.126			27.553			11.994			17.193		
P-5 Total	52.018			55.384		1	31.810			42.398		<del> </del>

Exhibit P-5a, Procurement History and Pl	anning	Weapon S	ystem			Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Seria Procurement of Ammunition, Navy and Mari		2/Ammunit	ion			Item Nomenclature: ARTILLERY, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Locati	on of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
PROJ, 155MM HE EX RANGE M795 (DODIC D529)											-
LAP, PROJ, 155MM M795											-
FY 2004	49,742	118.25	ARDEC,	PICATINNEY, NJ	C/FFP	AMERICAN ORDANCE, MIDDLETON, IA	OCT 03	DEC 03	MAR 05	YES	
FY 2005	37,731	116.51	ARDEC,	PICATINNEY, NJ	C/FFP	Day & Zimmerman, Parsons, KS	OCT 04	DEC 04	MAR 06	YES	
FY 2006	13,840	99.35	ARDEC,	PICATINNEY, NJ	C/FFP	Day & Zimmerman, Parsons, KS	UNKNOWN	DEC 05	MAR 07	YES	
FY 2007	20,786	104.88	ARDEC,	PICATINNEY, NJ	C/FFP	Day & Zimmerman, Parsons, KS	UNKNOWN	DEC 06	MAR 08	YES	
				·							
LIFTING PLUGS											
FY 2004	51,248	6.95	ARDEC,	PICATINNEY, NJ	C/FFP	MEDICO IND, WILKES-BARRE, PA	OCT 03	DEC 03	MAR 05	YES	
FY 2005	38,873	6.84	ARDEC,	PICATINNEY, NJ	C/FFP	MEDICO IND, WILKES-BARRE, PA	OCT 04	DEC 04	MAR 06	YES	
FY 2006	14,259	5.82	ARDEC,	PICATINNEY, NJ	C/FFP	MEDICO IND, WILKES-BARRE, PA	UNKNOWN	DEC 05	MAR 07	YES	
FY 2007	21,415	6.16	ARDEC,	PICATINNEY, NJ	C/FFP	MEDICO IND, WILKES-BARRE, PA	UNKNOWN	DEC 06	MAR 08	YES	
PROJ M795 MPTS											
FY 2004	51,248	206.54	ARDEC,	PICATINNEY, NJ	C/FFP	CHAMB MFG, SCRANTON, PA	OCT 03	DEC 03	MAR 05	YES	
FY 2005	38,873	203.51	ARDEC,	PICATINNEY, NJ	C/FFP	CHAMB MFG, SCRANTON, PA	OCT 04	DEC 04	MAR 06	YES	
FY 2006	14,259	173.50	ARDEC,	PICATINNEY, NJ	C/FFP	CHAMB MFG, SCRANTON, PA	UNKNOWN	DEC 05	MAR 07	YES	
FY 2007	21,415	183.19	ARDEC,	PICATINNEY, NJ	C/FFP	CHAMB MFG, SCRANTON, PA	UNKNOWN	DEC 06	MAR 08	YES	
SUPPLEMENTAL CHARGES											
FY 2004	51,248	4.94	ARDEC,	PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	OCT 03	DEC 03	MAR 05	YES	
FY 2005	38,873	4.86	ARDEC,	PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	OCT 04	DEC 04	MAR 06	YES	
FY 2006	14,259	4.14	ARDEC,	PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	UNKNOWN	DEC 05	MAR 07	YES	
FY 2007	21,415	4.39	ARDEC,	PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	UNKNOWN	DEC 06	MAR 08	YES	
TNT TYPE I GRADE A(LB)											
FY 2004	1,240,535	2.98	ARDEC,	PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	OCT 03	DEC 03	MAR 05	YES	
FY 2005	940,988	2.93	ARDEC,	PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	OCT 04	DEC 04	MAR 06	YES	
FY 2006	345,161	2.50	ARDEC,	PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	UNKNOWN	DEC 05	MAR 07	YES	
FY 2007	518,390	2.64	ARDEC,	PICATINNEY, NJ	C/FFP	MCAL AAP, MCALESTER, OK	UNKNOWN	DEC 06	MAR 08	YES	
											ļ
WOODEN PALLETS											
FY 2004	6,030	48.09	ARDEC,	PICATINNEY, NJ	C/FFP	KNOX CTY ASSOC. VINCENNES, IN	OCT 03	DEC 03	MAR 05	YES	
FY 2005	4,574	47.44		PICATINNEY, NJ		KNOX CTY ASSOC. VINCENNES, IN	OCT 04	DEC 04	MAR 06	YES	
FY 2006	1,678	40.52		PICATINNEY, NJ		KNOX CTY ASSOC. VINCENNES, IN	UNKNOWN	DEC 05	MAR 07	YES	1
FY 2007	2,520	42.86	ARDEC,	PICATINNEY, NJ	C/FFP	KNOX CTY ASSOC. VINCENNES, IN	UNKNOWN	DEC 06	MAR 08	YES	

Exhibit P-5a, Procurement Histor Planning	ry and	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity Procurement of Ammunition, Navy	*		Ammunition		Item Nomenclature: ARTILLERY, ALL TYPES					
MDG GOOD BY DIGINATE	0.1	The state of the	T	Contract Method and		RFP Issue	Date of the second	Date of First	Tech Data Available	Date Revisions
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Type	Contractor and Location	Date	Award Date	Delivery	Now?	Available
PROJ, 155MM HE M107 (DODIC D544)							1			
LAP, PROJ, 155MM M107	F0 670	00.06	THE DOOR TOLDED TO	G (PPP	AMERICAN ORDNANCE, MIDDLETON, IA	0.0m 0.3	W3D 04	143 D. O.F.	IID0	
FY 2004 FY 2005	59,670 45,317	82.96 71.32	JMC, ROCK ISLAND, IL	C/FFP C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA  AMERICAN ORDNANCE, MIDDLETON, IA	OCT 03	MAR 04 MAR 05	MAR 05 MAR 06	YES YES	
FY 2006	37,203	113.11	JMC, ROCK ISLAND, IL JMC, ROCK ISLAND, IL	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	OCT 04 UNKNOWN	MAR 05	MAR 06	YES	
FY 2007	31,553	154.79	JMC, ROCK ISLAND, IL	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	UNKNOWN	MAR 07	MAR 08	YES	
F1 2007	31,333	134.79	UMC, ROCK ISHAND, II	C/FFF	AMERICAN ORDINANCE, MIDDEION, IA	UNKINOWIN	MARC 07	MAR UU	163	
*COMP B TYPE I GRADE A(LB)										
FY 2004	1,013,962	2.97	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	OCT 03	MAR 04	MAR 05	YES	
FY 2005	770,064	2.56	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	OCT 04	MAR 05	MAR 06	YES	
FY 2006	632,184	4.06	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 06	MAR 07	YES	
FY 2007	536,175	5.55	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 07	MAR 08	YES	
*PLUG SHOCK ATTENUATING										
FY 2004	60,483	2.20	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	OCT 03	MAR 04	MAR 05	YES	
FY 2005	45,934	1.89	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	OCT 04	MAR 05	MAR 06	YES	
FY 2006	37,710	3.00	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 06	MAR 07	YES	
FY 2007	31,983	4.10	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 07	MAR 08	YES	
*SUPPLEMENTAL CHARGE										
FY 2004	60,483	4.56	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	OCT 03	MAR 04	MAR 05	YES	
FY 2005	45,934	3.92	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	OCT 04	MAR 05	MAR 06	YES	
FY 2006	37,710	6.21	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 06	MAR 07	YES	
FY 2007	31,983	8.50	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 07	MAR 08	YES	
GROMMET (EA)										
FY 2004	61,076	1.56	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	OCT 03	MAR 04	MAR 05	YES	
FY 2005	46,385	1.34	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	OCT 04	MAR 05	MAR 06	YES	
FY 2006	38,080	2.13	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	UNKNOWN	MAR 06	MAR 07	YES	
FY 2007	32,297	2.91	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	UNKNOWN	MAR 07	MAR 08	YES	
										ļ
PROJ M107 MPTS										1
FY 2004	60,483	132.55	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	OCT 03	MAR 04	MAR 05	YES	
FY 2005	45,934	113.95	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	OCT 04	MAR 05	MAR 06	YES	
FY 2006	37,710	180.72	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	UNKNOWN	MAR 06	MAR 07	YES	
FY 2007	31,983	247.29	JMC, ROCK ISLAND, IL	C/FFP	CHAMB MFG, SCRANTON, PA	UNKNOWN	MAR 07	MAR 08	YES	
DEGLATM OD E/GUDI GWADGO	-					-	-	-		
RECLAIM OP F/SUPL CHARGE	60 403	6 10	TMG DOGW TGLAND TT	O / PRP	MCAL AAD MCALECTED OF	OGT 03	MAD 04	MAD 05	VEC	
FY 2004	60,483	6.18		C/FFP	MCAL AAP, MCALESTER, OK	OCT 03	MAR 04	MAR 05	YES	
FY 2005 FY 2006	45,934 37,710	5.31 8.43	JMC, ROCK ISLAND, IL JMC, ROCK ISLAND, IL	C/FFP C/FFP	MCAL AAP, MCALESTER, OK MCAL AAP, MCALESTER, OK	OCT 04 UNKNOWN	MAR 05 MAR 06	MAR 06	YES YES	
FY 2006 FY 2007	37,710	11.54	JMC, ROCK ISLAND, IL	C/FFP C/FFP	MCAL AAP, MCALESTER, OK  MCAL AAP, MCALESTER, OK	UNKNOWN	MAR 06	MAR 07	YES	
FI 200/	31,983	11.54	UMC, KUCK ISLAND, IL	C/FFP	MCAL AAP, MCALESTER, OK	UNKNOWN	MAK U/	MAK U8	YES	
		l		l	<u> </u>		1	1	l .	1

NES COST BLEMENTS (DAY DATE COME Lecelion of PCO Pype Contractor and Location Date Name Date (Pitt Nove Name Date (Pitt) Name Date	Exhibit P-5a, Procurement Histor Planning	ry and	Weapon S	ystem		Date: FEBRUARY 2005					
### CONT FLEMENTS   Q1y				2/Ammunition			1	T	1	1	1
NO. 1558M NF BILDAZ (COURT D550)					Method and				First	Available	Date Revisions
19.5   19.00   15.00   11.00   1.00		Qty	Unit Cost	Location of PCO	Type	Contractor and Location	Date	Award Date	Delivery	Now?	Available
## 2005   3,516   274.28   MPC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 05   NOV 06   YES   ## 2007   6,719   287.37   SMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 06   NOV 07   YES   ## 2007   6,719   287.37   SMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 06   NOV 07   YES   ## 2008   798   2.34   SMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 06   NOV 07   YES   ## 2008   798   2.34   SMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 06   NOV 07   YES   ## 2009   1,250   1.69   JMC, ROCK ISLAND, IL   C/FFP   GOVT FURNISHED NATERIAL   UNKNOWN   MAR 06   NOV 07   YES   ## 2007   1,521   1.31   MMC, ROCK ISLAND, IL   C/FFP   GOVT FURNISHED NATERIAL   UNKNOWN   MAR 07   NOV 08   YES   ## 2008   3,553   66.74   JMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 07   NOV 08   YES   ## 2009   5,651   63.09   JMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 06   NOV 07   YES   ## 2009   6,877   63.55   SMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 06   NOV 07   YES   ## 2009   5,512   93.64   JMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 07   NOV 08   YES   ## 2009   5,512   93.64   JMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 07   NOV 08   YES   ## 2009   5,512   94.66   JMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 07   NOV 08   YES   ## 2009   5,512   93.66   JMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 07   NOV 08   YES   ## 2009   5,512   94.66   JMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 07   NOV 08   YES   ## 2009   5,512   94.66   JMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 07   NOV 08   YES   ## 2009   6,871   7.12   JMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 07   NOV 08   YES   ## 2009   6,871   7.12   JMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 07   NOV 08   YES   ## 2009   6,871   7.12   JMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 07   NOV 08   YES   ## 2009   6,871   7.12   JMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 07   NOV 08   YES   ##											
## 2006   5,530   284.81 NPC, NOCK ISLAND, IL   C/FFP   UNKNOWN   MAR. 06   NOV 07   YES   ## 2007   6,720   287.17 ONC, NOCK ISLAND, IL   C/FFP   UNKNOWN   CONSIDENT   NAME 07   NOV 08   YES   ## 2008   795   2.34 ONC, NOCK ISLAND, IL   C/FFP   COVIT FURNISHED NATERIAL   UNKNOWN   NAME 07   NOV 08   YES   ## 2008   1,250   1.66 ONC, NOCK ISLAND, IL   C/FFP   COVIT FURNISHED NATERIAL   UNKNOWN   NAME 07   NOV 08   YES   ## 2008   1,250   1.51 NMC, NOCK ISLAND, IL   C/FFP   COVIT FURNISHED NATERIAL   UNKNOWN   NAME 07   NOV 08   YES   ## 2008   1,250   1.51 NMC, NOCK ISLAND, IL   C/FFP   UNKNOWN   COVIT FURNISHED NATERIAL   UNKNOWN   NAME 07   NOV 08   YES   ## 2008   3,593   60.74 ONC, NOCK ISLAND, IL   C/FFP   UNKNOWN   COVIT FURNISHED NATERIAL   ## 2008   5,651   63.05 NMC, NOCK ISLAND, IL   C/FFP   UNKNOWN   COVIT FURNISHED NATERIAL   ## 2008   5,651   63.05 NMC, NOCK ISLAND, IL   C/FFP   UNKNOWN   COVIT FURNISHED NATERIAL   ## 2008   5,651   63.05 NMC, NOCK ISLAND, IL   C/FFP   UNKNOWN   CONSIDER   ## 2008   5,651   63.05 NMC, NOCK ISLAND, IL   C/FFP   UNKNOWN   CONSIDER   ## 2008   5,122   93.84 NMC, NOCK ISLAND, IL   C/FFP   UNKNOWN   COVEN   ## 2009   5,122   93.84 NMC, NOCK ISLAND, IL   C/FFP   UNKNOWN   COVEN   ## 2009   5,122   93.84 NMC, NOCK ISLAND, IL   C/FFP   UNKNOWN   COVEN   ## 2009   6,851   94.66 NMC, NOCK ISLAND, IL   C/FFP   UNKNOWN   COVEN   ## 2009   6,851   94.66 NMC, NOCK ISLAND, IL   C/FFP   UNKNOWN   COVEN   ## 2009   6,851   94.66 NMC, NOCK ISLAND, IL   C/FFP   UNKNOWN   COVEN   ## 2009   6,852   94.66 NMC, NOCK ISLAND, IL   C/FFP   UNKNOWN   COVEN   ## 2009   6,851   94.66 NMC, NOCK ISLAND, IL   C/FFP   UNKNOWN   COVEN   ## 2009   6,851   94.66 NMC, NOCK ISLAND, IL   C/FFP   UNKNOWN   COVEN   ## 2009   74.85 NMC   NOV 08   YES   ## 2009   74.85 NMC   NOV 08   YES   ## 2009   74.85 NMC   NOV 08   YES   ## 2009   74.85 NMC   NOV 08 NMC   NOV 08   YES   ## 2009   74.85 NMC   NOV 08 NMC   NOV 08   YES   ## 2009   74.85 NMC   NOV 08 NMC   NOV 08   YES   ## 2009   74.85 NMC   NOV 08 NMC					- /		01				
### 2007  6,700  287,39  3MC, NOCK ISLAND, IL  C/FFF  OUT FURNISHED MATRIAL  TYZ 2008  798  2.34  1MC, NOCK ISLAND, IL  C/FFF  OUT FURNISHED MATRIAL  OCT 04  MAR 05  NOV 06  YES  1,201  1,201  1,301  1,301  1,311  1MC, NOCK ISLAND, IL  C/FFF  OUT FURNISHED MATRIAL  UNKNOWN  MAR 05  NOV 06  YES  YZ 2007  1,201  1,311  1MC, NOCK ISLAND, IL  C/FFF  OUT FURNISHED MATRIAL  UNKNOWN  MAR 07  NOV 08  YES  YZ 2007  1,321  1,311  MC, NOCK ISLAND, IL  C/FFF  OUT FURNISHED MATRIAL  UNKNOWN  MAR 07  NOV 08  YES  YZ 2007  AND 07  MAR 07  NOV 08  YES  YZ 2006  3,593  60.74  MAR 07  MAR 05  NOV 06  YES  YZ 2007  6,877  63.85  MC, NOCK ISLAND, IL  C/FFF  UNKNOWN  MAR 07  NOV 08  YES  YZ 2006  5,512  94.66  MC, NOCK ISLAND, IL  C/FFF  UNKNOWN  MAR 07  NOV 08  YES  YZ 2007  6,871  6,875  6,851  MC, NOCK ISLAND, IL  C/FFF  UNKNOWN  UNKNOWN  UNKNOWN  UNKNOWN  UNKNOWN  MAR 07  NOV 08  YES  YZ 2007  6,851  94.66  MC, NOCK ISLAND, IL  C/FFF  UNKNOWN  UNKNOWN  UNKNOWN  UNKNOWN  MAR 07  NOV 08  YES  CYCLOTOL 75/25 TYPE 1  CYCLOTOL 75/2									1		
TY 2005											
## 2005   795   2.16 DMC, ROCK ISLAND, IL C/FFP   GOVF PURNISHED MATERIAL   OCT 04 MAR 05 NOV 06 YES   ## 2006   1.250   1.60 JMC, ROCK ISLAND, IL C/FFP   GOVF FURNISHED MATERIAL   URRINON NAR 06 NOV 07 YES   ## 2007   1.521   1.31 JMC, ROCK ISLAND, IL C/FFP   GOVF FURNISHED MATERIAL   URRINON NAR 06 NOV 07 YES   ## 2007   1.521   1.31 JMC, ROCK ISLAND, IL C/FFP   GOVF FURNISHED MATERIAL   URRINON NAR 06 NOV 07 YES   ## 2008   3.593   60.74 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN NAR 05 NOV 06 YES   ## 2006   5.651   63.00 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN NAR 06 NOV 07 YES   ## 2007   6.877   63.55 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN NAR 06 NOV 07 YES   ## 2006   5.712   93.48 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN NAR 06 NOV 07 YES   ## 2006   5.712   93.48 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN NAR 06 NOV 07 YES   ## 2006   5.712   93.48 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN NAR 06 NOV 07 YES   ## 2006   5.712   93.48 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN NAR 06 NOV 07 YES   ## 2006   5.712   93.68 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN NAR 06 NOV 07 YES   ## 2006   5.712   93.68 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN NAR 06 NOV 07 YES   ## 2006   5.712   7.22 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN NAR 06 NOV 07 YES   ## 2006   5.712   7.22 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN NAR 06 NOV 07 YES   ## 2006   5.712   7.22 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN NAR 06 NOV 07 YES   ## 2006   5.712   7.85 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN NAR 06 NOV 07 YES   ## 2006   5.712   7.72 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN NAR 06 NOV 07 YES   ## 2006   5.712   7.75 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN   NAR 07 NOV 08 YES   ## 2006   5.751   7.79 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN   NAR 07 NOV 08 YES   ## 2006   5.752   7.75 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN   NAR 06 NOV 07 YES   ## 2006   5.752   7.75 JMC, ROCK ISLAND, IL C/FFP   UNKNOWN   UNKNOWN   NAR 06 N	FY 2007	6,730	287.37	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	NOV 08	YES	
## 2005   795   2.14 UNC, ROCK ISLAND, IL C/FFP   GOVF PURNISHED MATERIAL   OCT 04 MAR 05 NOV 06 YES   ## 2006   1.250   1.50 JMC, ROCK ISLAND, IL C/FFP   GOVF PURNISHED MATERIAL   UNRIXONN   MAR 06 NOV 07 YES   ## 2007   1.521   1.31 JMC, ROCK ISLAND, IL C/FFP   GOVF PURNISHED MATERIAL   UNRIXONN   MAR 06 NOV 07 YES   ## 2008   3.593   60.74 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 07 NOV 08   YES   ## 2006   5.651   63.00 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 05 NOV 06   YES   ## 2007   6.877   63.55 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 07 NOV 08   YES   ## 2006   5.651   7.22 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 07 NOV 08   YES   ## 2006   5.712   93.44 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 07 NOV 08   YES   ## 2006   5.712   93.44 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 06 NOV 07   YES   ## 2006   5.712   93.44 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 06 NOV 07   YES   ## 2006   5.712   93.44 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 07 NOV 08   YES   ## 2006   5.712   93.44 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 07 NOV 08   YES   ## 2006   5.712   93.64 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 07 NOV 08   YES   ## 2006   5.712   7.22 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 07 NOV 08   YES   ## 2006   10.815   7.12 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 07 NOV 08   YES   ## 2006   5.712   1.75 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 07 NOV 08   YES   ## 2007   6.851   7.72 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 07 NOV 08   YES   ## 2006   5.712   1.75 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 07 NOV 08   YES   ## 2007   6.851   7.79 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 07 NOV 08   YES   ## 2006   5.651   7.79 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 06 NOV 07   YES   ## 2007   6.857   7.85 JMC, ROCK ISLAND, IL C/FFP   UNRIXONN   UNRIXONN   MAR 06 NO	*TNT TYPE I FLAKE (LB)										
YE   2007   1,521   1.31   3MC, ROCK ISLAND, IL   C/FFP   GOVT FURNISHED MATERIAL UNENDONN   MAR 07   NOV 08   VES		795	2.34	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	OCT 04	MAR 05	NOV 06	YES	
CASING BSTR (EA)  72 2005  3,593  60.74 JMC, ROCK ISLAND, IL C/FFP UNKNOWN OCT 04 MAR 05 NOV 06 YES  PY 2006  5,651  63.00 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 05 NOV 06 YES  PY 2007  6,877  6,877  63.59 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 05 NOV 08 YES  CUG BSTR M54A1 ASSY (EA)  PY 2006  5,712  93.84 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 05 NOV 06 YES  PY 2007  6,951  94.66 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  PY 2007  6,951  94.66 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  CYCLOTOL 75/25 TYPE 1  PY 2005  6,876  6,876  6,876  6,88 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  PY 2006  10,815  7,12 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 05 NOV 06 YES  PY 2006  13,162  7,22 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  PY 2006  5,712  13,162  7,22 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  PY 2006  5,712  1,75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  PY 2006  5,712  1,75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  PY 2006  5,712  1,75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  PY 2006  5,712  1,75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  PY 2006  5,712  1,75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  PY 2006  5,712  1,75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  PY 2006  5,651  7,79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES  PY 2006  5,651  7,79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 05 NOV 06 YES  PY 2006  5,651  7,79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 05 NOV 06 YES  PY 2006  5,651  7,79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES  PY 2006  5,651  7,99 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES  PY 2006  5,651  7,99 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES  PY 2006  5,651  7,99 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES	FY 2006	1,250	1.60	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 06	NOV 07	YES	
PY 2005 3,593 60.74 JMC, ROCK ISLAND, IL C/FFP URKNOWN OCT 04 MAR 05 NOV 06 YES PY 2006 5,651 63.00 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PX 2007 6,877 63.55 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 3,632 90.44 JMC, ROCK ISLAND, IL C/FFP URKNOWN OCT 04 MAR 05 NOV 06 YES PY 2006 5,651 94.66 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2007 6,951 94.66 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 95.712 93.84 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2007 6,951 94.66 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2005 6,876 6.85 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 10,815 7.12 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 05 NOV 06 YES PY 2007 13,162 7.22 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2007 13,162 7.22 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5,712 1.75 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.7,712 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.7,712 1.76 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.7,712 1.76 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.7,712 1.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 2.8,81 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 2.8,81 J	FY 2007	1,521	1.31	JMC, ROCK ISLAND, IL	C/FFP	GOVT FURNISHED MATERIAL	UNKNOWN	MAR 07	NOV 08	YES	
PY 2005 3,593 60.74 JMC, ROCK ISLAND, IL C/FFP URKNOWN OCT 04 MAR 05 NOV 06 YES PY 2006 5,651 63.00 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PX 2007 6,877 63.55 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 3,632 90.44 JMC, ROCK ISLAND, IL C/FFP URKNOWN OCT 04 MAR 05 NOV 06 YES PY 2006 5,651 94.66 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2007 6,951 94.66 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 95.712 93.84 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2007 6,951 94.66 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2005 6,876 6.85 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 10,815 7.12 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 05 NOV 06 YES PY 2007 13,162 7.22 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2007 13,162 7.22 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5,712 1.75 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.7,712 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.7,712 1.76 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.7,712 1.76 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.7,712 1.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 07 NOV 08 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 7.79 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 2.8,81 JMC, ROCK ISLAND, IL C/FFP URKNOWN URKNOWN MAR 06 NOV 07 YES PY 2006 5.6,81 2.8,81 J											
PY 2006   S,651   63.00   JMC, ROCK ISLAND, IL   C/FFP   UNKNOWN   UNKNOWN   MAR 06   NOV 07   YES											
PY 2007 6,877 63.55 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  CHG BSTR M54A1 ASSY (EA)  FY 2005 3,632 90.44 JMC, ROCK ISLAND, IL C/FFP UNKNOWN OCT 04 MAR 05 NOV 06 YES  FY 2006 5,712 93.84 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES  FY 2007 6,951 94.66 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  CYCLOTOL 75/25 TYPE 1  FY 2005 6,876 6.85 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 06 YES  FY 2006 10,815 7.12 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2006 10,815 7.12 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2006 13,162 7.22 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2006 5,712 1.75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2006 5,712 1.75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2006 5,712 1.75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2006 5,712 1.75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2006 5,712 1.75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2006 5,512 7.79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2006 5,651 7.79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2006 5,651 7.79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2006 5,651 7.79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2006 5,651 7.79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES  FY 2006 5,651 7.79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2006 5,651 7.79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2006 5,651 7.79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES  FY 2006 5,651 7.79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES  FY 2006 5,651 7.79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES											
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FY 2005         3,632         90.44         JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         OCT 04         MAR 05         NOV 06         YES           FY 2006         5,712         93.84         JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 05         NOV 06         YES           FY 2007         6,951         94.66         JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 07         NOV 08         YES           CYCLOTOL 75/25 TYPE 1         TY 2005         6,876         6.85         JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         OCT 04         MAR 05         NOV 06         YES           FY 2006         10,815         7.12         JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 06         NOV 06         YES           FY 2007         13,162         7.22         JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 07         NOV 08         YES           GROMMET (EA)         3,632         1.84         JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 05         NOV 06         YES           FY 2006         5.712         1.75         JMC, ROCK ISLAND, IL <td>FY 2007</td> <td>6,877</td> <td>63.55</td> <td>JMC, ROCK ISLAND, IL</td> <td>C/FFP</td> <td>UNKNOWN</td> <td>UNKNOWN</td> <td>MAR 07</td> <td>NOV 08</td> <td>YES</td> <td></td>	FY 2007	6,877	63.55	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	NOV 08	YES	
FY 2005         3,632         90.44         JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         OCT 04         MAR 05         NOV 06         YES           FY 2006         5,712         93.84         JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 05         NOV 06         YES           FY 2007         6,951         94.66         JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 07         NOV 08         YES           CYCLOTOL 75/25 TYPE 1         TY 2005         6,876         6.85         JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         OCT 04         MAR 05         NOV 06         YES           FY 2006         10,815         7.12         JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 06         NOV 06         YES           FY 2007         13,162         7.22         JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 07         NOV 08         YES           GROMMET (EA)         3,632         1.84         JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 05         NOV 06         YES           FY 2006         5.712         1.75         JMC, ROCK ISLAND, IL <td>CHG BSTR M54A1 ASSY (EA)</td> <td></td>	CHG BSTR M54A1 ASSY (EA)										
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CYCLOTOL 75/25 TYPE 1  FY 2005	FY 2006	5,712	93.84	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 06	NOV 07	YES	
FY 2005	FY 2007	6,951	94.66	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	NOV 08	YES	
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GROMMET (EA)  FY 2005 3,632 1.84 JMC, ROCK ISLAND, IL C/FFP UNKNOWN OCT 04 MAR 05 NOV 06 YES  FY 2006 5,712 1.75 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES  FY 2007 6,951 1.73 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2007 6,951 1.73 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2005 3,593 7.65 JMC, ROCK ISLAND, IL C/FFP UNKNOWN OCT 04 MAR 05 NOV 06 YES  FY 2006 5,651 7.79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES  FY 2007 6,877 7.85 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES  FY 2005 3,593 284.35 JMC, ROCK ISLAND, IL C/FFP UNKNOWN OCT 04 MAR 05 NOV 08 YES  FY 2005 3,593 284.35 JMC, ROCK ISLAND, IL C/FFP UNKNOWN OCT 04 MAR 05 NOV 06 YES  FY 2006 5,651 295.17 JMC, ROCK ISLAND, IL C/FFP UNKNOWN OCT 04 MAR 05 NOV 06 YES  FY 2006 5,651 295.17 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES											
FY 2005         3,632         1.84 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         OCT 04         MAR 05         NOV 06         YES           FY 2006         5,712         1.75 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 06         NOV 07         YES           FY 2007         6,951         1.73 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 07         NOV 08         YES           PLUG SHOCK ATTENUATING         7.65 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         OCT 04         MAR 05         NOV 06         YES           FY 2005         3,593         7.65 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 05         NOV 06         YES           FY 2007         6,877         7.85 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 07         NOV 08         YES           PROJ, 155MM WP M110A2 MPTS (EA)         3,593         284.35 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         OCT 04         MAR 05         NOV 06         YES           FY 2005         3,593         284.35 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 05         NOV 06         YES	FY 2007	13,162	7.22	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	NOV 08	YES	
FY 2005         3,632         1.84 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         OCT 04         MAR 05         NOV 06         YES           FY 2006         5,712         1.75 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 06         NOV 07         YES           FY 2007         6,951         1.73 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 07         NOV 08         YES           PLUG SHOCK ATTENUATING         7.65 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         OCT 04         MAR 05         NOV 06         YES           FY 2005         3,593         7.65 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 05         NOV 06         YES           FY 2007         6,877         7.85 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 07         NOV 08         YES           PROJ, 155MM WP M110A2 MPTS (EA)         3,593         284.35 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         OCT 04         MAR 05         NOV 06         YES           FY 2005         3,593         284.35 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 05         NOV 06         YES	CDOMMET (FA)						<del>                                     </del>		1	<del>                                     </del>	
FY 2006         5,712         1.75 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 06         NOV 07         YES           FY 2007         6,951         1.73 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 07         NOV 08         YES           PLUG SHOCK ATTENUATING         TY 2005         3,593         7.65 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         OCT 04         MAR 05         NOV 06         YES           FY 2006         5,651         7.79 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 06         NOV 07         YES           FY 2007         6,877         7.85 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 07         NOV 08         YES           PROJ, 155MM WP M110A2 MPTS (EA)         TY 2005         3,593         284.35 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         OCT 04         MAR 05         NOV 06         YES           FY 2006         5,651         295.17 JMC, ROCK ISLAND, IL         C/FFP         UNKNOWN         UNKNOWN         MAR 05         NOV 06         YES		3 637	1 94	TMC ROCK TGT AND TT	C/FFD	LINKNOMM	OCT 04	мар об	NOV 06	And	
FY 2007 6,951 1.73 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  PLUG SHOCK ATTENUATING  FY 2005 3,593 7.65 JMC, ROCK ISLAND, IL C/FFP UNKNOWN OCT 04 MAR 05 NOV 06 YES  FY 2006 5,651 7.79 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES  FY 2007 6,877 7.85 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 07 NOV 08 YES  FY 2005 3,593 284.35 JMC, ROCK ISLAND, IL C/FFP UNKNOWN OCT 04 MAR 05 NOV 06 YES  FY 2006 5,651 295.17 JMC, ROCK ISLAND, IL C/FFP UNKNOWN OCT 04 MAR 05 NOV 06 YES  FY 2006 5,651 295.17 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES											
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PROJ, 155MM WP M110A2 MPTS (EA)  FY 2005  3,593  284.35 JMC, ROCK ISLAND, IL C/FFP  UNKNOWN  OCT 04 MAR 05 NOV 06 YES  FY 2006  5,651  295.17 JMC, ROCK ISLAND, IL C/FFP  UNKNOWN  UNKNOWN  MAR 06 NOV 07 YES	FY 2006	5,651	7.79	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 06	NOV 07	YES	
FY 2005 3,593 284.35 JMC, ROCK ISLAND, IL C/FFP UNKNOWN OCT 04 MAR 05 NOV 06 YES FY 2006 5,651 295.17 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES	FY 2007	6,877	7.85	JMC, ROCK ISLAND, IL	C/FFP	UNKNOWN	UNKNOWN	MAR 07	NOV 08	YES	
FY 2005 3,593 284.35 JMC, ROCK ISLAND, IL C/FFP UNKNOWN OCT 04 MAR 05 NOV 06 YES FY 2006 5,651 295.17 JMC, ROCK ISLAND, IL C/FFP UNKNOWN UNKNOWN MAR 06 NOV 07 YES							<del>                                     </del>				
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	FY 2006 FY 2007	3,877	295.17		C/FFP	UNKNOWN	UNKNOWN	MAR 05	NOV 07	YES	
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Exhibit P-5a, Procurement Histor	ry and	Weapon S	ystem		Date:					
Planning					FEBRUARY 2005					
Appropriation Code/Budget Activ				P-1 Line	Item Nomenclature:					
Procurement of Ammunition, Navy	and Marin	e Corps/	2/Ammunition	(147300)	ARTILLERY, ALL TYPES					
WBS COST ELEMENTS	Qty	Iinit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
155MM CHG SYS M231 (DODIC DA12)	Qcy	OHIE COSE	location of Feo	11100	contractor and nocation	Date	Award Date	Delivery	IVOW:	Availabic
LAP, M231										
FY 2004	73,089	75.43	ARDEC, PICATINNY, NJ	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	OCT 03	JUL 04	MAR 06	YES	
FY 2005	187,003	77.25	ARDEC, PICATINNY, NJ	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	OCT 04	JUL 05	MAR 07	YES	
FY2006	57,510	79.57	ARDEC, PICATINNY, NJ	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	UNKNOWN	JUL 06	MAR 08	YES	
FY 2007	73,129	81.94	ARDEC, PICATINNY, NJ	C/FFP	AMERICAN ORDNANCE, MIDDLETON, IA	UNKNOWN	JUL 07	MAR 09	YES	
			,							
155MM CHG SYS M232 (DODIC DA13)										
LAP, M232										
FY 2005	98,187	102.29	ARDEC, PICATINNY, NJ	C/FFP	AMERICAN ORDNANCE, CAMDEN, AR	OCT 04	MAR 05	SEP 06	YES	
FY 2006	43,331	105.35	ARDEC, PICATINNY, NJ	C/FFP	AMERICAN ORDNANCE, CAMDEN, AR	UNKNOWN	MAR 06	SEP 07	YES	
FY 2007	67,311	108.50	ARDEC, PICATINNY, NJ	C/FFP	AMERICAN ORDNANCE, CAMDEN, AR	UNKNOWN	MAR 07	SEP 08	YES	

Exhibit P-21, Prod	duction Schedule	е												Date FEBI		Y 200	05													
Appropriation Code Procurement of Amm						2/Am	muni	tior		Wea	pon	Syst	em					-			encla 155MN			RAN	GE M	795				
									PRO	DUCT	ION F	RATE					P	ROCUR	EMENT	LEAI	TIMES	5								
Item			Manufa Locati		er's N	ame a	ınd	М	SR	EC	CON	M	ΑX	ALT Oct			ALT Oct			Inti	tial 1	Mfg	Reor PLT	der M	Mfg	Tota	1	Unit Meas		
D529					n Ordr leton,		,	0	.7		8	2	18		3			3			15			15		1	.8		K	
						Fisc	al Ye	ear 2	004									Fisc	al Ye	ar 20	05					1				
									Cale	ndar	Year	2004									Caler	dar	Year	2005	5					
	F	S V	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J	A U	S E	0	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	B A
Item	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
D529	04	MC	49.7	0.0	49.7			A															4.1	4.1	4.1	4.1	4.1	1 4.1	4.1	21.0
	05	MC	37.7	0.0	37.7															A								<u> </u> !	$\vdash \vdash$	37.
	06	MC	13.8	0.0	13.8																							<u> </u>	<b>—</b>	13.
	07	MC	20.8	0.0	20.8																								ш	20.8
						Fisc	al Y	ear 2	1									Fisc	al Ye											
			1	1	1	1	1	1	Cale	ndar	Year	2006	· · ·		1		1			1	Caler	ndar	Year	2007	,		ı			
Item	F	S V C	Q T Y	D E L	B A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
D529	04		49.7		21.0	4.1				4.6	IC	10		14		- 0			V		IN		10	10		14	ш			0.0
	05		37.7		37.7						3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.6								0.0
	06		13.8		13.8			A															1.2	1.2	1.2	1.2	1.2	2 1.2	1.2	5
	07		20.8		20.8															A							<u> </u>	1		20.8
L	07	1.10	20.0	0.0	20.0	l	1	1	1	1	1	·	l	1	1	1	1	1					·	1	1	1	1	لــــــــــــــــــــــــــــــــــــــ		20.0

Exhibit P-21, Production Schedule													Date FEBI	e: RUARY	200	05													
Appropriation Code/Budget Activity Procurement of Ammunition, Navy an			2/Ammu	niti	on				Wear	on S	Syste	em					DDIC D529						RANGE	Е М79	15				
								PRO	DUCT	ION R	ATE					I	PROCUI	REMEN'	T LEA	DTIME	ES								
Item		Manuf Locat	acture: ion	r's Na	ame a	nd	М	SR	EC	ON	M.	AX	ALT Oct	Prior 1	to	ALT Oct	After 1		Intit PLT	tial	Mfg	Reor	der M	lfg	Tota	1	Unit Measu		
D529		A	mericar Middl			,	0	.7		8	2	8.8		3			3			15			15		1	.8		K	
	Fiscal Year 2008  Calendar Year 2008																Fisc	al Ye	ar 20	09		<u> </u>							
																					ndar	Year	2009						
Thom	F V	Q T Y	D E L	A	0 C T	N O V	E	J A	F E	M A R	P	M A Y	U	J U	A U G	S E P	0 C T	N 0	D E C	J A N	F E	M A	A P	M A	J U N	J U	A U	SE	B A
Item D529	Y C	49.7	ь 49.7	0.0	1	V	С	N	В	K	R	Y	N	L	G	Р	T	V	Ċ	N	В	R	R	Y	IN	L	G	P	0.0
D329	05 MC	37.7	51.2	0.0																									0.0
	06 MC	13.8	8.4		1.2	1.2	1.2	1.2	0.6																				0.0
	07 MC	20.8	0.0	20.8						1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1								0.0
					Fisca	al Ye	ar 20	10									Fisc	al Ye	ar 20	11									
								Cale	ndar	Year	2010									Cale	ndar	Year	2011						
		Q	D	В	0	N	D	J	F	М	A	М	J	J	A	S	0	N	D	J	F	M	A	М	J	J	A	S	В
	F V	Т	E	A	C	0	E	A	E	A	P	A	U	U	U	E	С	0	E	A	E	A	P	A	U	U	U	E	A
Item	Y C	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
D529	04 MC	49.7	49.7	0.0																									0.0
	05 MC	37.7	37.7	0.0																									0.0
	06 MC	13.8	13.8	0.0							<u> </u>					1											igspace		0.0
	07 MC	20.8	20.8	0.0																									0.0

Exhibit P-21, Production Sch															RUAR	Y 200														
Appropriation Code/Budget Ac Procurement of Ammunition, N							muni	ltior		Wear	on S	Syste	em			e Ite ) DOI								.07						
									PRO	DUCT	ION R	ATE					P	ROCUR	EMENT	LEAI	TIMES	5								
Item			Manufa Locati	ion				M	SR	EC	ON!	MZ		ALT 1 Oct 1		to	ALT A	After 1	to	Inti PLT	tial :	Mfg	Reore	der M	lfg	Tota	1	Unit Meası		
D544			An	merica Middl			,	8	.6	2	15	42	.3		6			6			12			12		1	.8		K	
			1			Fisc	al Ye	ar 20	004	1							1	Fisca	ıl Yea	r 20	05									
									Cale	ndar	Year	2004						ı			Caler	ndar	Year	2005						
Thomas	F Y	S V C	Q T	D E	B A	0 C T	N O V	D E	J A N	F E B	M A	A P	M A	J U	J U	A U	S E P	0 C T	N O V	D E C	J A N	F E B	M A	A P	M A	J U	J U	A U G	S E P	B A
Item D544	04	MC	Y 50.7	L 0.0	L 59.7	T	V	С	IN	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R 5.0	R 5.0	Y 5.0	N 5.0	L 5.0			L
D244	05	MC MC	59.7 45.3	0.0	45.3						A												5.0 A	5.0	5.0	5.0	5.0	5.0	5.0	24.7 45.3
	06	MC	37.2	0.0	37.2																		A							37.2
	07	MC	31.6	0.0	31.6																									31.6
						Fisc	al Ye	ar 20	1									Fisca	l Yea		1									
	1	1	1		1	1	1	1			Year					1		1 1			Cale			1	1	1	1	1		1
		S	Q —	D	В	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	В
Thom	F Y	V C	T Y	E L	A L	C T	0 V	E	A N	E B	A R	P R	A Y	U	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U	U	U G	E P	A L
Item D544	04	MC	Y 59.7	ъ 35.0	24.7		1		5.0		Ж	ĸ	1	N	Ь	G	P	1	V	Ċ	IN	В	K	K	ĭ	IN	П	G	P	0.0
2511	05	MC	45.3	0.0	45.3		3.0	5.0	5.0	7.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.5								0.0
	06	MC	37.2	0.0	37.2						A.	3.0	3.0	5.0	3.0	3.0	3.0	3.0	5.0	3.0	3.0	5.5	3.1	3.1	3.1	3.1	3.1	3.1	3.1	
	07	MC	31.6	0.0	31.6		Ì																A			- /-				31.6

Exhibit P-21, Production Schedule														Date FEB		Y 200	)5													
Appropriation Code/Budget Activity Procurement of Ammunition, Navy as				Ammur	nitic	n				Wear	on i	Syst	em			e Ite ) DOI								7						
									PRO	ODUCT	ION R	ATE					P	ROCUF	REMENT	LEAI	TIME	S								
Item			Manufa Locati	on				M	SR	EC	ON.	М		ALT Oct	Prior 1	to	ALT A		to	Inti PLT	tial	Mfg	Reor PLT	der N	Mfg	Tota		Unit Meası		
D544				mericar Middl			,	8	.6	2	!5	42	2.3		6			6			12			12		1	.8		K	
						Fisc	al Ye	ar 20	008									Fisca	al Yea	ar 20	09									
										ndar						1							Year							
Item	F	S V C	Q T Y	D E L	B A L	O C T	0 V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	T T	A U G	S E P	О С Т	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E P	B A L
D544	04		59.7	24.				Ŭ					_			Ü	_		•						_			Ü		0.0
2011	05	1 1	45.3	45.3																										0.0
	06		37.2	21.7			3.1	3.1	3.1	3.1																				0.0
	07	MC	31.6	0.0	31.6						2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.0								0.0
																													ı	
						Fisc	al Ye	ar 20	10									Fisca	al Yea	ar 20	11									
									Cale	ndar	Year	2010									Cale	ndar	Year	2011						
			Q	D	В	0	N	D	J	F	М	A	М	J	J	A	S	0	N	D	J	F	М	A	M	J	J	A	S	В
	F	s V	T	E	A	C	0	E	A	E	A	P	A	U	U	U	E	C	0	E	A	E	A	P	A	U	U	U	E	A
Item	У	C	Y	L	L	Т	V	C	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
D544	04		59.7	24.7			ļ			ļ												ļ								0.0
	05	1 1	45.3	45.3	0.0																		1							0.0
	06		37.2	37.2																										0.0
	07	MC	31.6	31.6	0.0																									0.0

Exhibit P-21, Prod	uction Schedu	le												Date FEB		Y 20	05													
Appropriation Code Procurement of Amm							nmuni	itio	n	Wear	on i	Syst	em	P-1	Lin	e Ite	em D							10A2	2					
									PRO	ODUCT:	ION R	ATE					F	ROCUR	EMENT	LEAD	TIMES	3								
Item			Manufa Locati		r's Na	ame a	ınd	М	ISR	EC	'ON	М		ALT Oct	Prior 1	to	ALT Oct	After 1		Inti	tial	Mfg	Reore	der M		Tota	1	Unit Meası		
D550				UN	IKNOWN	I			8	1	.3	3	0		6			6			20			20		2	16		K	
			II			Fisc	al Ye	ar 2	004	1		l					1	Fisca	al Yea	r 200	05							l		
									Cale	ndar	Year	2004									Cale	ndar	Year	2005						
Item	F	S V C	Q T Y	D E L	B A L	0 C T	N 0 V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E P	0 C T	N 0	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
D550	04		0.00				1		11		- 10	10	_	14				_	•				10	10	-	14		-		0.00
	05	MC	3.52	0.00	3.52																		A							3.52
	06	MC	5.53	0.00	5.53																									5.53
	07	MC	6.73	0.00	6.73																									6.73
																														ļ
						Pi aa	al Ye	2000	006									Pi cc	al Yea	~ 201	77									<u> </u>
						FISC	ar re	ar z		ndar	Year	2006						FISC	11 166		Cale	ndar	Year	2007						
		S	Q	D	В	0	N	D	J	F	М	А	М	J	J	А	S	0	N	D	J	F	М	A	М	J	J	А	S	В
	F	v	Т	E	A	С	0	E	A	E	A	P	A	U	U	U	E	С	0	E	A	E	А	P	A	U	U	U	E	A
Item	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
D550	04	MC	0.00	0.00	0.00																									0.00
	05	MC	3.52	0.00	3.52		1		1										0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.33
	06	MC	5.53	0.00	5.53		1		1		A																			5.53
	07	MC	6.73	0.00	6.73																		A							6.73

Exhibit P-21, Production Sch															RUAR	Y 200														
Appropriation Code/Budget Ac Procurement of Ammunition, N							muni	tior		Wear	oon i	Syst	em					DDIC D55						10A2	2					
			_						PRO	DDUCT:	ION R	ATE					P	ROCUR	EMENT	LEAD	TIMES	5								
Item			Manufa Locati		r's N	ame a	nd	M	SR	EC	CON	M		ALT :		to	ALT A	After 1	to	Inti	tial 1	Mfg	Reor PLT	der M	lfg	Tota	1	Unit Meası		
D550			Pine	Bluff	, Ars	enal,	, AR	;	8	1	.3	3	0		6			6			20			20		2	26		K	
						Fisc	al Ye	ar 20	008									Fisca	ıl Yea	ar 200	09									
									Cale	ndar	Year	2008									Caler	ndar	Year	2009						
Th	F Y	S V C	Q T	D E L	B A	0 C T	N O V	D E	J A N	F E B	M A	A P	M A	J U	J	A U	S E P	0 C T	N O V	D E C	J A	FE	M A	A P	M A	J U	J	A U G	SE	B A
Item D550	04	MC C	Y 0.00		0.00		V	С	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R	R	Y	N	L	G	P	0.00
D550	05	MC	3.52																											0.00
	06	MC	5.53		5.53			0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.47												0.00
	07	MC	6.73	0.00	6.73														0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.57
																														<u> </u>
																														<u> </u>
						Fisc	al Ye	ar 20										Fisca	l Yea											
		ı		1	1	1	1			ndar			1	I	1	1		I I			Caler				1	I	1	1	1	_
		S	Q	D	В	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D _	J	F	M	A	M	J	J	A	S	В
Th am	F Y	V C	T Y	E L	A	C T	0 V	E C	A N	E B	A	P	A Y	U	U	U	E	C T	0 V	E C	A N	E B	A	P	A Y	U	U	U G	E P	A
Item D550	04	MC C	0.00	0.00	L 0.00		V	C	IN	В	R	R	Y	N	L	G	P	Т	V	Ċ	IN	В	R	R	Y	N	Ъ	G	P	0.00
	05	MC	3.52	3.52																										0.00
	06	MC	5.53																											0.00
	07	MC	6.73																											0.00

Exhibit P-21, Production Sc	hedule												-	te: BRU	ARY	20	05												
Appropriation Code/Budget A Procurement of Ammunition,				mmur	iti	on			Wea:	pon	Sys	tem															HG S	SYS	M231
								PRC	DUCT	ION	RATE				]	PRO	CURE	MEN'	T LE	ADT	IME	S							
Item				cture		.on	MS	SR	EC	ON	M	ΑX					Aft Oct		Int Mfg				orde g PL		Tot	al	Uni Mea		
DA12		Al		CAN OR		Ε,		1	1	2	5	0		10			10			20			20		3	30		]	K
					Fis	cal	Yea	r 20	04				•				Fisc	al	Yea	r 20	005	•							
								-		r Ye												lar							
Item	F V Y C	Q T Y	D E L	B A L	0 C T	N 0 V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E P	0 C T	N 0	D E C	J A N	F E B	А	P	M A Y	J U N	J U L	A U G	S E P	B A L
DA12	04 MC		L 0.0	1										A															73.1
	05 MC	187	7 0	187	7																					A			187
	06 MC	57.5	0.0	57.5	5																								57.5
	07 MC	73.1	0.0	73.2	L																								73.1
																													ļ
																						-							1
														<u> </u>								<u> </u>	<u> </u>	<u> </u>					
					Fis	cal	Yea	1									Fisc	al	Yea										
			Б	В	0	N	D		enda F	r Ye			J	J	7	<u> </u>	0	N	D		F	dar		r 20	J	J	70	S	В
	S	Q	D E	A	C	O	E	J A	F E	M A	A P	M A	U		A U	S E	0	N O	E	J A	E				U	U	A U	S E	B A
Item	F V Y C		L	L	Т	V	C		В	R	R	Y	N	L	G	E P	Т	V		N	В			Y		L	G	P P	L
DA12	04 MC		1 0.0		1					6.1	6.1	6.1	1			6.1	6.1							† <u>-</u>		_	_	_	0.0
	05 MC	187		187																		16	1	5 16	16	16	16	16	75.0
	06 MC	57.5	5 0.0	57.5	5									А															57.5
	07 MC	73.3	0.0	73.1	L																					А			73.1

Exhibit P-21, Production Schedule															te:															
																ARY														
Appropriation Code/Budget Activity/Seria										Wea	pon	Sys	tem																	-004
Procurement of Ammunition, Navy and Mari	.ne	Coı	rps/	2/Am	mun:	ltic	on							(1	473	00)	DC	DDIC	<b>:</b> :	DAI	2,	15	5MM	МО	D A	RTY	CHO	3 SY	S M	1231
									PRO	DUCT	'ION	RATE					PRO	CURE	MEN	T LI	EADT	CIM	ES							
				facti		s Na	ıme									ior.							Rec			L .	,	Unit		
Item				Locat		NANCE		M	SR	EC	ON	M	AX	to	Oct	1	to	Oct	Ι	Mfg	PL'I	l'	Mfg	l PL	ľ	Tot	a⊥	Meas	sure	
DA12			Al	MIDDI			,	:	1	1	.2	5	0		10			10			20			20		3	80		K	
						1																								
						Fis	cal	Year	200	8								Fisc	al	Yea	r 20	009								
											Yea												lar							
	_	S	Q T	D E	B A	0	N O	D E	J A	F E	M	A P	M A	J	J	A U	S E	O C	N O	D E	J A	F E		A P	M A	J	J	A U	S E	B A
Item	F Y	V C	Y	L	L	Т	V	C	N	В	A R	R	Y	N	L	G	E P	Т	V	C	N			R	Y	N	L	G	P	L
DA12	04	MC	73.1	73.1	0.0																									0.0
	05	MC	187	133	54	16	16	11																						0.0
	06	MC	57.5	0.0	57.5						4.8	4.8	4.8	3 4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.	7							0
	07	MC	73.1	0.0	73.1																			6.	1 6.1	6.1	6.1	6.1	6.1	30.4
				ı		Fis	cal '	Year	201	.0								Fisc	al	Yea	r 20	011			ı					
									Cal	enda	. Yea	r 20	10								Cal	en	dar	Year	20	11				
			Q	D	В	0	N	D	J	F	М	А	М	J	J	А	S	0	N	D	J	F	М	А	М	J	J	А	S	В
	F	S V	Т	E	А	С	0	E	A	E	A	P	А	U	U	U	E	С	0	E	A	E	A	P	А	U	U	U	E	A
Item	Y	C	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
DA12	04	MC	73.1	73.1	0.0																									0.0
	05	MC	187	187	0																									0
	06	MC	57.5	57.5	0.0																									0.0
	07	MC	73.1	42.7	30.4	6.1	6.1	6.1	6.1	6.0																				0.0

Exhibit P-21, Production Sche														FEI	_	ARY	7 20												
Appropriation Code/Budget Act Procurement of Ammunition, Na				2 / Ar	nmun	itic	n			Weap	oon	Sys	tem		473													SYS	,
									PRO	ODUCI	ION	RATE	G				PRO	CURE	MEN	T LE	ADT	IME	S						
Item					turer d Loc		n	MS	R	EC	ON	М	AX							Int: Mfg				order g PL]		Tota		nit o easur	
DA13			AM		AN ORD		,	1		1	2	5	50		6			6			18		_	18		24	<u> </u>	K	ζ
			l			Fisc	al	Year	. 2	004								Fis	cal	Year	r 20	005							
						•			Ca]	Lenda	r Ye	ar 2	004								Cal	end	ar	Year	20	05			
	F	S V	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A		-	J E	A
Item	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	Р	Т	V	С	N	В	R	R	Y	N	L (	G P	
DA13	04	MC	0.0																						$\vdash$		+	_	0.0
	05	MC	98.2																				A		$\vdash$	$\dashv$	+	+	98.2
	06	MC MC	43.3		43.3																		-		H	$\dashv$	+	+	43.3 67.3
	07	MC	67.3	0.0	67.3																							+	67.3
																										$\Box$		I	
																										$\dashv$	_	_	
																										Ш	$\perp$		
						Fisc	al	Year										Fis	al	Year									
			1	1	1					Lenda												1		Year					
		S	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	J	J U	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A			A S	
Item	F	V C	Y	L	L	Т	v	C	N	В	R	R	Y	N	L	G	P.	Т	V	C	N	В	R	R	Y			G P	
DA13	04	MC	0.0	0.0	0.0																								0.0
	05	MC	98.2	0.0	98.2												8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2 8	. 0	0.0
	06	MC	43.3	0.0	43.3						A																	3.	6 39.7
	07	MC	67.3	0.0	67.3																		А						67.3

Exhibit P-21, Production S	chedule													Dat FEE		RY	200	5												
Appropriation Code/Budget Procurement of Ammunition,					ımun:	itic	on			Wea	pon	Sys	tem														S SY	rs mi	232	
									PRO	DUCT	CION	RATE					PRO	CURE	MEN	T LE.	ADTI	MES								
Item			Manu and	factı Locat		s Na	ıme	MS	SR	EC	CON	M	AX		Pri Oct			Afte Oct 1		Inti Mfg			Reor PLT	rder	Mfg	Tot	al	Unit		
DA13			AM	MERICA CAM	N ORDI		,		1	1	.2	5	50		6			6			18			18		2	24		K	
						Fis	cal	Year	200	08								Fisc	al '	Year	200	9						<u> </u>		
									Cale	endar	r Yea	r 20	08								Cale	nda	r Ye	ar 2	009					
	F	S V	Q T	D E	B A	0 0	0	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	0	0	D E	J A	F E	M A	A P	M A	J U	J U	A U	S	B A
DA13	Y	С	Y	L	L	Т	V	С	N	В	R	R	Y	N	L	G	Р	Т	V	С	N	В	R	R	Y	N	L	G	P	L
DAI3		MC MC	98.2																									$\vdash$	+	0.0
	06	MC	43.3				3 6	3 6	3.6	3.6	3.6	3.6	3.6	3 6	3.6	2 7												+		0.0
	07		67.3		67.3		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.7	5.6	5.6	5.6	5 6	5.6	5.6	5.6	5.6	5 6	5 6	5.6	5.7	,	0.0
	<u> </u>	110	07.5	0.0	07.5												3.0	3.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3		
																														<del></del>
						Fis	cal	Year	201	LO								Fisc	al '	Year	201	1								
									Cale	endar	r Yea	r 20	10								Cale	nda	r Ye	ar 2	011					
		S	Q	D	В	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	В
Item	F	V C	T Y	E L	A L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	A L
DA13	04	MC	0.0	0.0	0.0																				1					0.0
	05	MC	98.2	98.2	0.0																									0.0
	06	MC	43.3	43.3	0.0																									0.0
	07	MC	67.3	67.3	0.0																									0.0

Exhibit P-40, Budget	: Item (	Justifica	ation				Date: FEBRUARY 2	2005			
Appropriation Code/Budge Procurement of Ammunition		-			P-1 Item 1 (147500)			NG VEHICLE			
Program Element for Code	e B Items	S:		Other Relat	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	0.000	2.464	5.738	9.504	28.730	14.875	15.631	16.030		92.972

Description: Target Practice - Tracer (TP-T) (DODIC AA65) provides a low cost round to train and sustain EFV crews in perishable gunnery skills. The TP-T round has an inert full-bore projectile which allows it to be fired at ranges and facilities without the concerns of unexploded ordnance associated with High Explosive ammunition, nor the distance of flight issues with the Armor Piercing Fin Stabilized Discarding Sabot-Tracer round.

The High Explosive - Tracer (HE-T) (DODIC B002) is the EFV's main round. The HE is a full-bore hardened nose steel projectile filled with an explosive main charge with a mechanical base fuze. This round combines the strengths of a standard High Explosive round against the EFV's prime target (infantry) with the ability to penetrate soft to medium armor targets like light armored vehicles and fortified emplacements which are too "soft" for the APFSDS-T round or where an explosive effect is required. When fired against soft targets, the HE produces many, relatively small fragments producing lethality levels equal to a standard 30mm HE round. The combination of the hardened nose and a base fuse functioning with a slight delay, allow the HE to penetrate and detonate inside hardened targets.

The kinetic energy Armor Piercing Fin Stabilized Discarding Sabot - Tracer (APFSDS-T) (DODIC B003) round will be utilized by the EFV to defeat extremely "hard" targets such as infantry fighting vehicles. The APFSDS rounds utilize a long rod type of penetrator, which provides a highly efficient means of deep penetration into materials such as metals (steel, RHA, etc.), concrete, ceramics, and other highly resistant target materials. Unlike most APFSDS rods which are made of Depleted Uranium (DU), these rods are fabricated from a hardened tungsten alloy, a high density "heavy metal" which produces significant penetration capabilities without the associated concerns of DU.

32-147500 1 of 2

Exhibit P-40a, Budget Item Jus	tificati	on for A	ggregate	ed Items					Date: FEBRUARY	2005	
Appropriation Code/Budget Activity/Se Procurement of Ammunition, Navy and D	erial Numb Marine Cor	er: ps/2/Ammu	nition			Nomenclati EXPEDITION		ING VEHIC	LE		
	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
CTG, 30MM TP-T (DODIC AA65)	A	0.000	2.080	5.399	3.657						
QTY		0	69,746	178,140	118,401						
CTG, 30MM HE-T (DODIC B002)	А	0.000	0.115	0.102	3.489						
QTY		0	1.291	1,116	37,644						
CTG, 30MM APFSDS-T (DODIC B003)	A	0.000	0.269	0.237	2.358						
QTY		0	1,291	1,116	10,903						
P-40a Total		0.000	2.464	5.738	9.504						
r-10a 10ta1		0.000	4.404	5.730	9.304		<u> </u>	<u> </u>			

Exhibit P-40, Budget	Item	Justific	ation				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		-			P-1 Item 1 (150000) 1			, ALL TYPES	5		
Program Element for Code	B Item	s:		Other Relate	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	5.784	3.257	2.353	0.128	0.766	2.404	28.271	0.000		42.963

Description: This line includes DEMOLITIONS, ALL TYPES. The Combat Breacher Vehicle (CBV) is a full tracked armored combat engineer vehicle specifically designed for conducting in-stride and deliberate breaching of minefields and complex obstacles. Based on an Improved Perfomance M1 Abrams (IPM1) Main Battle Tank chassis, it provides the latest technology in crew protection and vehicle survivability while having the speed and mobility to keep pace with the maneuver force.

The Charge, Demolition Block Trinitrotoluene (TNT) 1/4-Pound (DODIC M030) is a standard demolition charge; however, it is primarily used for training purposes. The demolition block charge is issued in an olive drab cylindrical waterproof cardboard container. Each box of 192 charges is provided with 48 M14A1 Priming Adapters.

The Charge, Demolition Block Trinitrotoluene (TNT) 1/2-Pound (DODIC M031) is used for general demolition purposes and is primarily effective as a cutting or breaching charge, except for special steel-cutting charges. TNT charges have a high detonating velocity, and may be used in underwater operations. Funds for this item are included in the outyears in this line item.

The Charge, Demolition Block Trinitrotoluene (TNT) 1-Pound (DODIC M032) is used for general demolition purposes and is primarily effective as a cutting or breaching charge, except for special steel-cutting charges. TNT charges have a high detonating velocity, and may be used in underwater operations. This charge is enclosed in an olive drab water-resistant fiberboard container having metal end closures. One end is provided with a cap well to receive an electric or non-electric blasting cap.

The Cap, Blasting Electric M6 (DODIC M130) is used for initiating high explosives with a blasting machine or other suitable source of electric power. It is capable of detonating all standard military explosives. This blasting cap is waterproof and can be used in underwater demolition. The M6 Blasting Cap consists of an aluminum alloy tube containing a compressed charge of RDX or PETN and an ignition charge.

The Cap, Blasting Non-Electric M7 (DODIC M131) is used to detonate high explosives and is initiated by time-blasting fuse. The M7 Blasting Cap consists of an aluminum alloy tube containing a base charge of RDX or PETN, a priming charge, and an ignition charge. The flame from a time blasting fuse or firing device is transferred to the ignition charge in the cap. The ignition charge ignites the priming charge, which in turn detonates the base charge.

The Cartridge, Impulse .50 Caliber (DODIC M174) is intended for use in Explosive Ordnance Disposal (EOD) tools and equipment. This cartridge is an electrically initiated gas producing device consisting of a MK1 Mod 2 electric squib containing diazodinitrophenol, potassium chlorate and black powder, and a main charge containing M-10 Single Base Propellant, black powder, and Type 1 Class 1 propellant. Funds for this item are included in the outyears in this line item.

The Container, Demolition Charge MK7 Mod 1 (DODIC M477) is used as a form or mold in which plastic explosive can be pressed into a linear charge. The container has a V-shaped cavity to mold the explosive linear charge. The charge is designed to snap together with other MK7 Mod 1 containers

The Cutter, High Explosive MK23 Mod 0 (DODIC ML04) is used for cutting or disrupting techniques against ordnance items. The charge consists of a plastic case, stand, and a metal sight. The main charge is 70/30 octol. The charge can be set up for electrical or non-electrical initiation using standard blasting caps. Funds for this item are included in the outyears in this line item.

Exhibit P-40, Budget Item Justifica	tion			Date:				
				FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial	Number:	P-1 Item	Nomencl	ature:				
Procurement of Ammunition, Navy and Marine		(150000)	DEMOLIT	ION MUNITI	ONS, ALL T	YPES		
Program Element for Code B Items:	Other Re	lated Pro	ogram Ele	ements				
							То	Total
ID Code FY2004 FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	Complete	Program
Proc Qty								
Gross Cost A 5.784 3.257	2.353	0.128	0.766	2.404	28.271	0.000		42.963

Continued: The Cutter, High Explosive MK24 Mod 0 (DODIC ML05) is used for cutting or disrupting techniques against ordnance items. The charge consists of a plastic case, stand, and a metal sight. The main charge is 70/30 octol. The charge can be set up for electrical or non-electrical initiation using standard blasting caps.

The Charge, Demolition Flexible Linear Shaped 30 Grains Per Foot (DODIC MM41) is designed for fast and reliable cutting of materials. The DODIC MM41 will cut steel up to 0.06-inches thick or aluminum up to 0.11-inches thick. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.

The Charge, Demolition Flexible Linear Shaped 40 Grains Per Foot (DODIC MM42) is designed for fast and reliable cutting of materials. The DODIC MM42 will cut steel up to 0.05 inches thick, or aluminum up to 0.14 inches thick. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.

The Charge, Demolition Flexible Linear Shaped 60 Grains Per Foot (DODIC MM43) is designed for fast and reliable cutting of materials. The DODIC MM43 will cut steel up to 0.10-inches thick, or aluminum up to 0.16-inches thick. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.

The Charge, Demolition Flexible Linear Shaped 225 Grains Per Foot (DODIC MM46) is designed for fast and reliable cutting of materials. The DODIC MM46 will cut steel up to 0.18-inches thick, or aluminum up to 0.31-inches thick. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action. Funds for this item are included in the outyears in this line item.

The Charge, Demolition Flexible Linear Shaped 400 Grains Per Foot (DODIC MM47) is designed for fast and reliable cutting of materials. The DODIC MM47 will cut steel up to 0.20-inches thick or aluminum up to 0.41-inches thick. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.

The Firing Device, Demolition Multi-Purpose M142 (DODIC ML03) is used with antipersonnel mines and when setting up booby-traps using demolition charges. The device provides a simple means of mechanical initiation of booby trap by

Exhibit P-40,	Budget	Item Ju	stificat	cion			Date: FEBRUARY	2005			
Appropriation Co Procurement of A	_	_		Jumber:	P-1 Item (150000)			ONS, ALL T	YPES		
Program Element	for Code	B Items:		Other Re	lated Pro	ogram Ele	ements				
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	5.784	3.257	2.353	0.128	0.766	2.404	28.271	0.000		42.963

Continued: The Charge, Demolition Flexible Linear Shaped 600 Grains Per Foot (DODIC MM48) is designed for fast and reliable cutting of materials. The DODIC MM48 will cut steel up to 0.27-inches thick or aluminum up to 0.46-inches thick. Funds for this item are included in the outyears in this line item.

The Charge, Demolition Low Hazard MK143 Mod 0 600 Grains Per Foot (DODIC MM51) is a continuous explosive core of plastic bonded explosive with a flexible copper-polymer liner. The charge is encased in lightweight olive drab polyethylene foam. This charge contains 600 grains per foot of a commercial plastic bonded explosive.

The Charge, Demolition Low Hazard Mk145 Mod 0 2400 Grains Per Foot (DODIC MM53) is a continuous explosive core of plastic-bonded explosive with a flexible copper-polymer liner. The charge is encased in lightweight olive drab polyethylene foam. This charge contains 2400 grains per foot of a commercial plastic bonded explosive. Funds for this item are included in the outyears in this line item.

The Detonator, Non-Electric MK123 Mod 0 (DODIC MM56) is used in place of the M7 Non-Electric Blasting Cap or the M6 Electric Blasting Cap. It is used where a non-electric waterproof application is desired. The system consists of a dual non-fragmenting 100-foot, co-extruded, olive drab, plastic polyethylene pyrotechnic lead (shock tube).

Igniter, Time Blasting Fuse, M81 with Shock Tube Capability (DODIC MN08) is used to ignite time blasting fuse or to initiate the shock tube of the new shock tube Non-electric blasting caps.

The Firing Device, Handheld (Inert) MK 54 MOD 0 (DODIC MN14) consists of two stainless steel cylindrical assemblies connected by a trigger mechanism. A secondary safety pin is inserted through the assemblies. The firing ends of the assemblies are internally threaded to receive the applicable pyrotechnic lead initiator.

The Detonator, Non-Electric MK154 (DODIC MN52) is used in place of the M7 Non-Electric Blasting Cap or the M6 Electric Blasting Cap. It is used where a non-electric waterproof application is desired. The system consists of a dual non-fragmenting 100-foot, co-extruded, olive drab, plastic polyethylene pyrotechnic lead (shock tube).

Exhibit P-40a, Budget Item Justific			ggrega	ted It	ems				Date: FEBRUA	RY 2005	
Appropriation Code/Budget Activity/Serial Procurement of Ammunition, Navy and Marine			ition			m Nomeno	clature: TION MUN	NITIONS,	ALL TY	YPES	
	ID Code			FY2006		,				To Complete	Total
EOD DEVICE, MK 7 MOD 1 (DODIC M477)	А	0.000	0.000	0.002	0.001						
QTY		0	0	144	70						
FIRING DEV, DEMO MULTI (DODIC ML03)	А	0.000	0.000	0.203	0.000						
QTY		0	0	10,119	0						
CTR PWDR ACTUATED (DODIC ML05)	A	0.000	0.000	0.077	0.078						
QTY		0	0	149	146						
CHG, DEMO FLC 30 GR/FT (DODIC MM41)	А	0.000	0.000	0.012	0.007						
QTY		0	0	252	147						
CHG, DEMO FLC 40 GR/FT (DODIC MM42)	A	0.000	0.000	0.027	0.022						
QTY		0	0	644	525						
CHG, DEMO FLC 60 GR/FT (DODIC MM43)	A	0.000	0.000	0.009	0.006						
QTY		0	0	221	143						
CHG, DEMO FLC 400 GR/FT (DODIC MM47)	A	0.000	0.000	0.052	0.000						
QTY		0	0	710	0						
P-40a Sub Total		0.000	0.000	0.382	0.114						

Exhibit P-40a, Budget Item Justif:	ication	for Ag	gregat	ed Ite	ms				Date: FEBRUA	ARY 2005	
Appropriation Code/Budget Activity/Serial	l Number:				P-1 Iter	n Nomenci	Lature:		•		
Procurement of Ammunition, Navy and Marin	ne Corps/2	2/Ammuni	tion		(150000)	) DEMOLI	TION MUNI	TIONS,	ALL TYP	ES	
Procurement Items	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
CHG, DEMO FLC 600 GR/FT (DODIC MM51)	А	0.000	0.000	0.017	0.012						
QTY		0	0	550	377						
DET, PERC 175MS DELAY (DODIC MM56)	A	0.000	0.000	0.460	0.00						
QTY		0	0	5,000	0						
DUAL FIRING DEVICE MK54 (DODIC MN14)	A	0.000	0.000	0.004	0.002						
QTY		0	0	26	12						
Detonator, Non-Electric (DODIC MN52)	A	0.019	0.000	0.000	0.000						
QTY		206	0	0	0						
CBV Ammo Development Rqmt	A	0.000	0.245	0.000	0.000						
QTY		0	0	0	0						
			-								
Sub Total		0.019	0.245	0.481	0.014						
P-40a Total		0.019	0.245	0.863	0.128						

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	A			enclature: DNS, ALL TY	/PES		(150000)					
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
CHARGE, DEMO BLOCK 1/4 LB TNT (DODIC M030)												
LOAD, ASSEMBLE, PACK (LAP)	0.054	3,403	15.87									
TNT TYPE I FLAKE (LB)	0.006	1,320	4.55									
CHARGE, DEMO BLOCK 1 LB TNT (DODIC M032)												
CHG DEMO BLK TNT 1 LB							0.717	61,282	11.70			
CAP BLASTING ELEC M6 (DODIC M130)												
COMPLETE ROUND	1.554	69,848	22.25	0.992	47,214	21.01						
CAP BLASTING NON-ELEC M7 (DODIC M131)												
COMPLETE ROUND	3.081	311,842	9.88	1.990	206,326	9.64						
PRODUCT												
ACCEPTANCE TESTING	0.017			0.01								
PRODUCTION ENGINEERING	0.031			0.011			0.003					
QUALITY ASSURANCE	0.013			0.006								
P-5 Sub Total	4.756			3.009			0.720			0.000		<u> </u>

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	A			enclature: ON MUNITIO	NS, ALL T	YPES						
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
IGNITER, TIME FUZE BLASTING (DODIC MN08)												
LOAD, ASSEMBLE & PACK (LAP)	1.006	174,652	5.76	0.003	553	5.42	0.767	145,540	5.27			
PRODUCT												
PRODUCTION ENGINEERING	0.002						0.002					
QUALITY ASSURANCE	0.001						0.001					
Sub Total	1.009			0.003			0.770			0.000		
P-5 Total	5.765			3.012			1.490			0.000		

Exhibit P-5a, Procurement History and Plannin	g	Weapon :	System		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Num Procurement of Ammunition, Navy and Marine Co		unition			ne Item Nomenclature: FION MUNITIONS, ALL T					(150000)
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
CHARGE, DEMO BLOCK 1/4 LB TNT (DODIC M030)										
LOAD, ASSEMBLE, PACK (LAP)										
FY 2004	3,403	15.87	JMC ROCK ISLAND, IL	C/FFP	AMTECH, HUNTSVILLE, AL	OCT 03	SEP 04	MAR 06	YES	
TNT TYPE I FLAKE (LB)										
FY 2004	1,320	4.55	JMC ROCK ISLAND, IL	C/FFP	AMTECH, HUNTSVILLE, AL	OCT 03	SEP 04	MAR 06	YES	
CHARGE, DEMO BLOCK 1 LB TNT (DODIC M032)										
CHG DEMO BLK TNT 1 LB										
FY 2006	61,282	11.70	JMC ROCK ISLAND, IL	C/FFP	AMTECH, HUNTSVILLE, AL	UNKNOWN	SEP 05	MAR 07	NO	
CAP BLASTING ELEC M6 (DODIC M130)										
COMPLETE ROUND										
FY 2004	69,848	22.25	JMC ROCK ISLAND, IL	C/FFP	STRESAU LABORATORY SPOONER, WI	OCT 03	SEP 04	MAR 06	YES	
FY 2005	47,214	21.01	JMC ROCK ISLAND, IL	C/FFP	STRESAU LABORATORY SPOONER, WI	OCT 04	SEP 06	MAR 08	YES	
CAP BLASTING NON-ELEC M7 (DODIC M131)										
COMPLETE ROUND										
FY 2004	311,842	9.88	JMC ROCK ISLAND, IL	C/FFP	TECHNICAL ORDNANCE, CLEAR LAKE, SD	OCT 03	SEP 04	MAR 06	YES	
FY 2005	206,326	9.64	JMC ROCK ISLAND, IL	C/FFP	TECHNICAL ORDNANCE, CLEAR LAKE, SD	OCT 04	SEP 05	MAR 07	YES	
			<u> </u>							
IGNITER, TIME FUZE BLASTING (DODIC MN08)										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2004	174,652	5.76	JMC ROCK ISLAND, IL	C/FFP	MAST TECHNOLOGY, BOULDER CITY, NV	OCT 03	SEP 04	MAR 06	YES	
FY 2005	553	5.42	JMC ROCK ISLAND, IL	C/FFP	MAST TECHNOLOGY, BOULDER CITY, NV	OCT 04	SEP 05	MAR 07	YES	
FY 2006	145,540	5.27	JMC ROCK ISLAND, IL	C/FFP	MAST TECHNOLOGY, BOULDER CITY, NV	UNKNOWN	SEP 06	MAR 08	YES	

Exhibit P-40, Budget	Item d	Justifica	ation				Date: FEBRUARY 2	005				
Appropriation Code/Budge Procurement of Ammunition		=				Nomenclatu FUZE, ALL						
Program Element for Code	e B Items	5:		Other Relate	ed Program	Elements						
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program	
Proc Qty												
Gross Cost	А	4.342	13.763	3.648	1.859	4.807	45.570	28.237	0.411		102.637	
Decarintion: The Fuze	Doint Do	atonating	(DD) M739/	M73911 (DODI	C N340) ;	c the late	est improved version of the selective impact fuze					

Description: The Fuze, Point Detonating (PD) M739/M739A1 (DODIC N340) is the latest improved version of the selective impact fuzes for use with bulk loaded high explosive or burster type projectiles. This fuze is fired from the M198 155mm Medium Towed Howitzer and is compatible with the XM777 Lightweight Towed Howitzer Weapon System. Funds for this item are included in the outyear totals for this line item.

The M782 Multi-Option Fuze for Artillery (MOFA) M782 (DODIC NA09) is compatible with all current 155mm bursting type artillery projectiles and is fired from the M198 155mm Medium Towed Howitzer and is compatible with the XM777 Lightweight Towed Howitzer Weapon System. The MOFA is inductively set in either the Proximity, Electronic Time, Point Detonating, or Delay mode. As a singular replacement for five different fuzes in the Marine Corps' inventory, the MOFA will reduce the logistical footprint and artillery ammunition handling requirements.

The M762Al Electronic Time (ET) Fuze (DODIC NA17) is used with projectiles carrying payloads that are expelled during projectile flight (airburst). This fuze is fired from the M198 155mm Medium Towed Howitzer and is compatible with the XM777 Lightweight Towed Howitzer Weapon System.

Exhibit P-5, Cost Analysis								Date:				
******								FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	ID Code:	P-1 Line (162500)										
		FY04			FY05			FY06			FY07	
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
FUZE, MULTI-OPTION FOR ARTILLERY M782 (DODIC NA09)												
LAP, COMPLETE ROUND M782	4.162	18,053	230.58	13.192	55,509	237.66	2.101	7,185	292.41			
FUZE, ELECTRONIC TIME M762A1 (DODIC NA17)												
LAP, COMPLETE ROUND							1.416	13,117	108.00	1.808	17,704	102.12
PRODUCT	0.024			0.076			0.022			0.013		
ACCEPTANCE TESTING PRODUCTION ENGINEERING	0.024			0.076			0.022			0.013		
QUALITY ASSURANCE	0.057			0.314			0.073			0.032		
TOTAL	4.342			13.763			3.648			1.859		

Exhibit P-5a, Procurement History and Planni	ing	Weapon S	ystem		Date: FEBRUARY 2005					
Appropriation Code/Budget Activity/Serial Nu Procurement of Ammunition, Navy and Marine C		munition			Item Nomenclature: FUZE, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
FUZE, MULTI-OPTION FOR ARTY M782 (DODIC NA09)										
COMPLETE ROUND M782										
FY 2004	18,053	230.58	ARDEC, PICATINNY, NJ	C/FFP	ALLIANT TECH, PLYMOUTH MN	NOV 03	MAR 04	MAR 05	YES	
FY 2005	55,509	237.66	ARDEC, PICATINNY, NJ	C/FFP	ALLIANT TECH, PLYMOUTH MN	NOV 04	MAR 05	MAR 06	YES	
FY 2006	7,185	292.41	ARDEC, PICATINNY, NJ	C/FFP	ALLIANT TECH, PLYMOUTH MN	UNKNOWN	MAR 06	MAR 07	YES	
FUZE, ELECTRONIC TIME M762A1 (DODIC NA17)										
COMPLETE ROUND M762A1										
FY 2006	13,117	108.00		C/FFP	BULOVA TECH, LANCASTER, PA	UNKNOWN	MAR 06	MAR 07	YES	
FY 2007	17,704	102.12	ARDEC, PICATINNY, NJ	C/FFP	BULOVA TECH, LANCASTER, PA	UNKNOWN	MAR 07	MAR 08	YES	

Exhibit P-40, Budget	: Item Ju	stificat	ion				Date: FEBRUARY	2005			
Appropriation Code/Budge Procurement of Ammunitie					P-1 Item (162800)						
Program Element for Code	e B Items:			Other Rel	ated Progr	ram Elemen	ts				
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	3.679	1.141	1.127	1.229	2.974	0.656	0.316	0.386		11.508

Description: The Cartridge, 12 Gauge Non-Lethal Bean Bag (DODIC AA29) is intended for use in crowd control situations where the use of non-lethal force is desired. This cartridge is used with the M500, M590, and M870 12 gauge auto-loading and pump action shotguns. The cartridge case consists of a brass head containing a primer and propellant charge. The plastic sleeve contains a lead shot-filled fabric or nylon bag weighing between 585-685 grains. The cartridge is assembled with a roll crimp with end wad.

The Cartridge, 12 Gauge Launching for Grenade Non-Lethal (DODIC AA30) is intended for use in crowd control situations where the use of non-lethal force is desired. This cartridge is used in conjunction with the 12-gauge launch cup on the M500, M590, and M870 12 gauge, Auto loading, and Pump-action Shotguns to launch the rubber ball non-lethal grenade (DODIC GG04). The cartridge case consists of a brass head containing a propellant charge mixture of smokeless powder and black powder in a ratio of approximately 3:1. The cartridge is assembled with a roll crimp with end wad. The plastic sleeve contains a rubber ball.

The Cartridge, 12 Gauge Rubber Fin Stabilized Non-Lethal (DODIC AA31) ammunition is intended for use in crowd control situations where the use of non-lethal force is desired. This cartridge is used with the M500, M590, and M870 12-gauge, auto loading, and pump-action shotguns. The cartridge case consists of a brass head containing a propellant charge mixture of smokeless powder and black powder in a ratio of approximately 3:1. The transparent plastic sleeve contains a rubber, fin stabilized projectile. The cartridge is assembled with a roll crimp with end wad.

The Cartridge, 40mm Foam Rubber Baton Non-Lethal (DODIC BA07) is intended for use in scenarios where the use of lethal incapacitating force is not warranted. The cartridge is used in M203 Grenade Launchers. The projectile consists of three foam rubber batons in an aluminum case. Each foam rubber weighs 250-280 grains. The foam rubber batons are separated from the propellant by an over powder wad and a plastic gas check. They are enclosed in the cartridge case by a felt washer and an end wad. The cartridge is sealed with polyurethane and the letter "F" on top of the end wad identifies the cartridge.

The Cartridge, 40mm Rubber Ball Non-Lethal (DODIC BA08) is intended for use in scenarios where the use of lethal incapacitating force is not warranted. The cartridge is used in the M203 Grenade Launcher. The cartridge contains 22 each .60 caliber rubber balls in an aluminum cartridge case. The rubber balls have a nominal velocity of 325 feet/second at a distance of 3 feet from the muzzle of the M203 Grenade Launcher. The cartridge contains a primer and approximately 7.3 grains of double base smokeless propellant. Each rubber ball weighs about 34 grains. The rubber balls are separated from the propellant by an over powder wad and a plastic gas check, and enclosed in the cartridge case by a felt washer and an end wad. The cartridge is sealed with polyurethane and the letter "B" on top of the end wad identifies the cartridge.

Exhibit P-40, Budget	Item Ju	stificat	cion				Date: FEBRUARY				
Appropriation Code/Budget Procurement of Ammunition	-		Iumber:		P-1 Item (162800)	Nomenclat					
Program Element for Code	B Items:			Other Rel	lated Prog	gram Eleme	ents				
	ID Code FY2004 FY2005				FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	3.679	1.141	1.127	1.229	2.974	0.656	0.316	0.386		11.508

Description Continuation: The Charge, Diversionary MK141 Mod 0 (DODIC DWBS) is a pyrotechnic device used for diversionary purposes. The Charge, Diversionary is a low hazard, nonshrapnel producing explosive device that produces an intense flash and sound report with a minimal amount of smoke. It consists of two major assemblies, the fuze system and the pyrotechnic charge system. The fuze system is made of 10% glass filled polyethylene and is provided with a striker, metal safety release lever, safety pin assembly, M42 Primer, first fire mixture, a delay column (T1) and a separation charge. The fuze system is threaded into the main body of the pyrotechnic charge system and sealed with an O-ring. The pyrotechnic charge system consists of a main body containing the secondary delay column (T2), ignition charge, and the pyrotechnic output charge. The cylindrical main body is made of machined rigid polyurethane foam and is enchased with adhesive aluminum foil.

The L96E1 grenade (DODIC FZ14) is comprised of a 66mm glass filled nylon propulsion base and a cylindrical rubber body containing the payload. The propulsion base and a cylindrical rubber body containing the payload. The propulsion base contains a gun powder propellant charge, an electric match (fuze) and a gun powder delay. The rubber body payload contains 23 individually fuzed rubber ballls that are filled with tear gas of a CS compound.

The L97E1 (DODIC FZ15) is identical in configuration to the L96E1 grenade. However, the L97E1 contains cinnamic acid (CA) which is a Ortho-Chlorobenzylidene Malano-nitrile (CS) stimulant, non-irritant smoke..

The M98 distraction grenade (DODIC FZ16) uses a pyrotechnic charge for crowd control through audio and visual stimuli. The M98 uses the same propulsion base as the M90 grenade, which contains electrical firing contacts and holds the grenade in the 66mm grenade launcher. The propulsion base contacts complete the electrical firing circuit for the electric match, which initiates the propulsion propellant. Immediately above the propulsion base is a pusher plate, and immediately above the pusher plate are three payload canisters. The entire design is encapsulated in an aluminum tube, with a cap crimped on one end and the propulsion base crimped into the other end. Once initiated, the propellant propels the pusher plate and the three canisters through the aluminum tube. Multiple holes in the pusher plate and a hole in each canister allow the launch propellant to push off the end cap and ignite the three pyrotechnic delays within the canisters. The delays are designed to allow the canisters to achieve maximum range and impact the ground before functioning. The M99 Blunt Trauma Grenade (DODIC FZ17) uses a pyrotechnic charge to discharge

The Fuze, Hand Grenade M201A1/M201A1-1 (DODIC G874) is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mixture, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever and safety pin with pull ring. The split end of the safety pin has an angular spread. The M201A1 (NSN 1330-00-293-9516) is used on smoke and incendiary grenades. The M201A1-1 (1330-01-456-5059) is used on the Grenade, Practice Body Non-Lethal (DODIC GG05). Removal of the safety pin permits release of the safety lever. When the safety lever is released, a striker acting under the force of a striker spring forces it away from the grenade body. The striker rotates on its own axis and strikes the percussion primer. This action initiates the delay element and ignition charge.

Exhibit P-40, Budge	et Item Ju	ustifica	tion				Date: FEBRUARY	2005			
Appropriation Code/Budg Procurement of Ammunit		-			P-1 Item (162800)	Nomenclat					
Program Element for Coo	Other Rel	lated Prog	gram Eleme	ents							
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	3.679	1.141	1.127	1.229	2.974	0.656	0.316	0.386		11.508

Description Continuation: The M90 Smoke Grenade (DODIC GG03) is a 66mm, soft launched, non-fragmenting, pyrotechnic smoke dispenser. The M90 screening smoke grenade is a 66mm electrically initiated, soft launched, non-fragmenting, pyrotechnic smoke grenade which creates an obscurant cloud for the LVOSS. The M90 grenade consists of an aluminum body which houses the launch system and three individually dual-ported, core burning smoke canisters containing the screening payload, a Terephthalic Acid (TPA) smoke mix. The grenade is initiated by an electric match, which in turn initiates 1.38 grams of Class 4 Black Powder used for propulsion and to initiate impregnated patches made of Potassium Nitrate, Charcoal, and Gum Arabic Solution, which initiate each of the canisters.

The Grenade, Rubber Ball Non-Lethal (DODIC GG04) is used in crowd control situations where the use of non-lethal force is desired. The grenade body is a rubber sphere that contains a fuze well liner and is filled with a minimum of 100 rubber ball fragments. The rubber ball fragments have a minimum diameter of 0.25 inches. The grenade fuze is a M201A1-1 Pyrotechnic Delayigniting Fuze. The fuze assembled contains a striker, striker spring, safety lever, safety pin with pull ring, and a detonator assembly. The split end of the safety pin has an angular spread. Safety clips are not required with these grenades. Removal of the safety pin permits release of the safety lever. When the safety lever is released, a striker acting under the force of a striker spring forces it away from the grenade body. The striker rotates on its own axis and strikes the percussion primer. The primer initiates the fuze delay element, which in turn initiates the detonator assembly.

The Grenade, Practice Body Non-Lethal (DODIC GG05) is the practice version of DODIC GG04. The grenade body is a rubber sphere that contains a fuze well liner and is filled with .50 caliber rubber pellets. The rubber ball pellets remain within the body. The grenade body was designed to be utilized with the M201A1-1 Pyrotechnic Delay-igniting Fuze (DODIC G874).

The Grenade, Practice Body Non-Lethal (DODIC GG13) will replace GG05 and is the practice version of DODIC GG04. The grenade body is a rubber sphere that contains a fuze well liner and is filled with .50 caliber rubber pellets. The rubber ball pellets remain within the body. The grenade body was designed to be utilized with the M201A1-1 Pyrotechnic Delay-igniting Fuze (DODIC G874/GG14).

The Fuze, Hand Grenade (DODIC GG14) is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mixture, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever and safety pin with pull ring. The split end of the safety pin has an angular spread. The M201A1 (NSN 1330-00-293-9516) is used on smoke and incendiary grenades. Removal of the safety pin permits release of the safety lever. When the safety lever is released, a striker acting under the force of a striker spring forces it away from the grenade body. The striker rotates on its own axis and strikes the percussion primer. This action initiates the delay element and ignition charge.

Exhibit P-40a, Budget Item			r Aggrega	ated Item			Date: FEBRUARY 2	2005	
Appropriation Code/Budget Activi Procurement of Ammunition, Navy			ammunition		P-1 Item No (162800) No	:	 		
	ID Code	FY2004	FY2005	FY2006	FY2007			To Complete	Total
CTG, 12 GA BEAN BAG, NON LETHAL (DODIC AA29)	A	0.195	0.000	0.000	0.000				
QTY		40,880	0	0	0				
CTG, 12 GA BLANK LAUNCHING (DODIC AA30)	A	0.030	0.000	0.000	0.000				
QTY		109,889	0	0	0				
CTG, 12 GA RUBBER, FIN STABILIZED (DODIC AA31)	A	0.079	0.000	0.000	0.000				
QTY		24,159	0	0	0		_		
CTG, 40MM FOAM RUBBER BATON (DODIC BA07)	А	0.727	0.000	0.000	0.000				
QTY		60,033	0	0	0				
CTG, 40MM RUBBER BALL (DODIC BA08)	A	0.575	0.000	0.000	0.000				
QTY		68,697	0	0	0				
CHARGE, DIVERSIONARY MK 141/0 (DODIC DWBS)	A	0.782	0.259	0.000	0.729				
QTY		17,842	6,722	0	18,451				
RIOT CONTROL (CS) GRENADE L96 (DODIC FZ14)	A	0.058	0.000	0.163	0.000				
QTY		714	0	1,888	0				
PRAC RIOT CONTRL (CS) GREN L97 (DODIC FZ15)	A	0.051	0.162	0.122	0.122				
QTY		658	2,025	1,481	1,425				
DISTRACTION GREN, M98 F/LVOS (FZ16)	A	0.126	0.000	0.328	0.000				
QTY		549	0	1,331	0				
P-40a Sub Total		2.623	0.421	0.613	0.851				

Exhibit P-40a, Budget Item Ju			Aggregated	Items, C					Date: FEBRUARY 2	:005	
Appropriation Code/Budget Activity, Procurement of Ammunition, Navy and			nition		P-1 Item N (162800) N	omenclature ON LETHALS	e:				
	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
BLUNT TRAUMA GREN, M99 F/LVOS (DODIC FZ17)	А	0.285	0.000	0.132	0.378						
QTY		1,179	0	521	1,423						
FUZE, GRENADE DETONATING (DODIC G874)	А	0.000	0.000	0.242	0.000						
QTY		0	0	69,428	0						
GRENADE, SMOKE M90 F/LVOS (DODIC GG03)	А	0.200	0.000	0.000	0.000						
QTY		2,298	0	0	0						
GRENADE, HAND, RUBBER BALL (DODIC GG04)	А	0.243	0.000	0.000	0.000						
QTY		8,917	0	0	0						
GRENADE, HAND, PRACTICE (DODIC GG05)	А	0.017	0.000	0.140	0.000						
QTY		1,584	0	12,313	0						
GRENADE, PRAC, BODY (DODIC GG13)	А	0.000	0.620	0.000	0.000						
QTY		0	54,577	0	0						
FUZE, HAND GRENADE (DODIC GG14)	A	0.311	0.100	0.000	0.000						
QTY		51,747	16,639	0	0						
		1.056	0.720	0 514	0.270		1				
P-40a Sub Total		3.679	1.141	0.514 1.127	0.378						
P-40a Total		3.679	1.141	1.127	1.229			1			

Exhibit P-40, Budget	Item 3	Justifica	ation				Date: FEBRUARY 2	005			
Appropriation Code/Budge Procurement of Ammunitio		-			P-1 Item I (163000)	Nomenclatu AMMO MODE					
Program Element for Code	e B Items	g:		Other Relate	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	4.907	7.095	7.350	7.712	8.144	8.511	8.895	9.293		61.907
D		36 3		36.3\					and the second	Action 1 to 1 to 1	

Description: The 40MM Ammunition Modernization (Ammo Mod) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.

The Rockets Ammunition Modernization (Ammo Mod) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.

The Line Charges Ammunition Modernization (Ammo Mod) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.

The Components Ammunition Modernization (Ammo Mod) consists of the procurement of components of various items/DODICs and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.

The Missiles Ammunition Modernization (Ammo Mod) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.

The Quality Evaluation Ammunition Modernization (Ammo Mod) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.

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BLIN: 163000

Exhibit P-40 Budget Item Justification

Exhibit P-40a, Budget It	em Justif	fication	for Agg	gregated	Items			Date: FEBRUARY		
Appropriation Code/Budget Act Procurement of Ammunition, Na				tion		Nomenclat AMMO MODE		<b>'</b>		
	ID Code	FY2004	FY2005	FY2006	FY2007				To Complete	Total
CTG, 40MM AMMO MOD	A	0.000	1.159	1.206	1.354					
QTY										
ROCKETS AMMO MOD	A	0.387	1.187	1.228	1.272					
QTY										
LINE CHARGE AMMO MOD	A	1.229	1.187	1.228	1.272					
QTY										
COMPONENTS AMMO MOD	A	1.229	1.187	1.228	1.272					
QTY										
MISSILE COMP AMMO MOD	A	1.229	1.187	1.228	1.272					
QTY										
QUAL EVAL AMMO MOD	A	0.833	1.188	1.232	1.270					
QTY										
TOTAL		4.907	7.095	7.350	7.712					

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Budget Item Justification for Aggregated Items

Exhibit P-40, Budget	ID Code FY2004 FY2005 FY2					Date: FEBRUARY 2					
Procurement of Ammunitio	n, Navy	and Marin	e Corps/2/	Ammunition	,	ITEMS LESS	re: THAN \$5 M	ILLION			
Program Element for Code	B Items	5 <b>:</b>		Other Relate	ed Program	Elements					
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	3.390	1.716	18.201	19.895	19.468	19.882	2.835	25.964		111.351

Description: Ammunition Components For Marine Rifle Team (DODIC A001). This funding supports the procurement of components used in building small arms cartridges in support of the Marine Corps Rifle Team, Quantico, Virginia.

The Cartridge, 12 Gauge #00 Buckshot M162 (DODIC A011) is used for training, combat, and guard purposes with the M500, M590, and M870 12-gauge Auto-loading and Pump action Shotguns. Three types of outer casings distinguish DODIC A011; the M19 Brass Cartridge Case, the M162 Plastic Cartridge Case, and the waterproofed paper cartridge case that does not have an assigned model number. Each cartridge case consists of a metal (brass or plated steel) head containing a propellant charge and smokeless powder.

The Cartridge, Caliber .30 Blank M1909 (DODIC A222) is used for simulated firing in training or saluting purposes in the M1903 or M1 .30 Caliber Rifles. The DODIC A222 contains a brass cartridge case, a primer and is loaded with 12 grains of propellant. The M1909 Cartridge is identified by the absence of a bullet and has as crimped cartridge case mouth.

The Cartridge, Caliber .45 Ball M1911 (DODIC A475) is intended for use against personnel and used in the M1911/A1 Automatic Pistols, M1, M1A1, and M3 Submachine Guns. The M1911 Ball consists of a brass or steel cartridge case, a primer, propellant, and a lead-antimony slug.

The Cartridge, .45 Caliber Wadcutter (DODIC A482) is intended for use in the M1911A1 .45 Caliber Pistol. The bullet has a sharp shoulder that acts as a hole punch to cut a clean hole in the target. The DODIC A482 Wadcutter Cartridge consists of a brass cartridge case, a primer, and a truncated cone bullet.

The Cartridge, Caliber .45 Ball M1911 Match (DODIC A483) is intended for use in competitive match programs and target practice used in the M1911/A1 Automatic Pistols. The word MATCH or NM (National Match) stamped on the case head identifies this cartridge. The M1911 Ball consists of a brass cartridge case, a primer, propellant, and a lead-antimony slug.

The Cartridge, 12 Gauge #00 Buckshot 3" (DODIC AA60) is used for training, combat, and guard purposes with the Joint Service Shotgun. The AA60 consists of a brass cartridge case, plastic sleeve, and waterproofed paper plug.

Exhibit P-40, Bud	dget Iter	m Justifi	cation				Date: FEBRUARY	2005			
Appropriation Code/E Procurement of Ammur	P-1 Item (166000)		ure: SS THAN \$5	MILLION							
Program Element for	m Element for Code B Items: Other Re				ated Prog	ram Eleme	nts				
	ID Code FY2004 FY2005				FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	A	3.390	1.716	18.201	19.895	19.468	19.882	2.835	25.964		111.351
Doggosintian Continue	ad. The Co	ا مندالد لانتسان	77	O	D 1	10 0	NATE OF A NAC	D 0 III	77-7	(DOD	TO 33(0) 1-

Description Continued: The Cartridge, Explosive Ordnance Disposal, 12 Gauge, MK274 MOD 0, Ultra Velocity Slug (DODIC AA62) is used in the Improvised Explosive Device (IED) standoff disrupter. The cartridge consists of a lead base projectile loaded in a brass and plastic cartridge case with a center percussion primer and 140 grains of propellant.

The Cartridge, Explosive Ordnance Disposal, 12 Gauge, MK275 MOD 0, (DODIC AA63) is used in the Improvised Explosive Device (IED) standoff disrupter. The cartridge consists of a lead base projectile loaded in a brass and plastic cartridge case with a center percussion primer and 62 grains of propellant.

The Cartridge, Explosive Ordnance Disposal, 12 Gauge, MK276 MOD 0, Low Velocity Blank (DODIC AA64) is used in the Improvised Explosive Device (IED) standoff disrupter package 160 Cartridge M2A1 Ammunition Container. The cartridge consists of a lead base projectile loaded in a brass and plastic cartridge case with a center fire percussion primer and 20 grains of propellant.

Cartridge, Explosive Ordnance Disposal, 12 Gauge, MK278 MOD 0 (Black Powder Blank) (DODIC AA66), is used in the Improvised Exploseve Device (IED) standoff disrupter.

The Cartridge, 75mm Blank M337A2 (DODIC C025) consists of a cartridge case of brass or aluminum containing loosely packed black powder and a press-fitted percussion primer. A fiberglass wad is inserted over the black powder and a polystyrene closing cup is cemented in place with a polyester resin adhesive. The M337A2 Cartridge is fired from the M116, M120, M1A1, M1A1C, and M3 Howitzer assemblies.

Cartridge, 12 Gauge, MK 277 Mod 0 (Enhanced Blank), (DODIC DWEC) is used in the Improvised Explosive Device (IED). The cartridge consists of a plastic power wadding (no projectile), loaded in a brass and plastic cartridge case with a center percussion primer and 110 grains of propellant

Exhibit P-40, Budget Item Justification							Date: FEBRUARY	2005			
Appropriation Code/Bu Procurement of Ammuni	P-1 Item Nomenclature: (166000) ITEMS LESS THAN \$5 MILLION										
Program Element for (	Code B Ite	ems:		Other Rel	ated Prog	ram Eleme	nts				
	ID Code	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Program
Proc Qty											
Gross Cost	А	3.390	1.716	18.201	19.895	19.468	19.882	2.835	25.964		111.351

Description Continued: Cartridge, 12 Gauge, MK 279 Mod 0 (Steel Slug) (DODIC DWED), is used in the Improvised Explosive Device (IED) standoff disrupter. The cartridge consists of a steel projectile, loaded in a brass and plastic cartridge case with a center percussion primer and 140 grains of propellant.

Cartridge, 12 Gauge, MK 280 Mod 0 (Aluminum Slug) (DODIC: DWEE), is used in the Improvised Explosive Device (IED) standoff disrupter. The cartridge consists of an aluminum projectile, loaded in a brass and plastic cartridge with a center percussion primer and 140 grains of propellant.

Pyrotechnic Lead Spool, Assembly, MK 34 MOD 0 (for Pyrotechnic Lead, 1000 FT) (DODIC DWEI), is packaged 2 reels per CNU - 405/E Ammunition Container.

Transportation funds (FDTC) are required to support the distribution of Marine Corps' ammunition end items from manufacturing plants assembly points. These funds directly support training and readiness requirements of Marines in the field (CONUS or OCONUS).

The Canine Explosive Scent Kit (DODIC MN01) is composed of different samples of common explosives used to train dogs to detect explosives. The samples are packaged in individual containers. The types of explosives can vary based on the type of training being conducted. These samples may be of dynamite, time-safety fuze, C4, TNT, detonating cord, smokeless powder, and water gel explosive.

Funds in support of Marine Security Guard Battalion ammunition requirement are also included.

Exhibit P-40a, Budget Item Justifica	Date: FEBRUARY 2005										
Appropriation Code/Budget Activity/Serial N	umber:				P-1 Item Nomenclature:						
Procurement of Ammunition, Navy and Marine	Corps/	2/Ammunit	ion		(166000) I	TEMS LESS	THAN \$5	MILLION			
	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
RIFLE TEAM AMMO (DODIC A001)	А	0.460	0.199	0.206	0.213						
QTY											
CTG, 12 GA 3 IN 00 BKST (DODIC AA60)	A	0.342	0.000	0.000	0.477		<u> </u>	+			
QTY		977,142	0	0	1,163,414	_					
CTG, 12 GA EOD MK 274 (DODIC AA62)	A	0.002	0.000	0.003	0.003			+			
QTY		340	0	722	714						
CTG, 12 GA EOD MK 275 (DODIC AA63)	А	0.002	0.000	0.003	0.003						
QTY		321	0	480	476						
CTG, 12 GA EOD MK 276 (DODIC AA64)	A	0.001	0.000	0.003	0.000						
QTY		568	0	1,714	0						
CTG, 12 GA EOD MK 278 MOD 0 (DODIC AA66)	A	0.001	0.000	0.003	0.000			1			
QTY		418	0	1,224	0						
CTG, 75MM BLANK (DODIC C025)	A	0.000	0.000	0.041	0.000						
QTY		0	0	1,743	0						
								1			
P-40a Sub Total		0.808	0.199	0.259	0.696						

Exhibit P-40a, Budget Item Justification for Aggregated Items											
Appropriation Code/Budget Activity/Seria Procurement of Ammunition, Navy and Mar:			nition		P-1 Item N (166000) I			MILLION			
	ID Code	FY2004	FY2005	FY2006	FY2007					To Complete	Total
CTG,12 GA MK 277 MOD 0 (DODIC DWEC)	A	0.002	0.000	0.006	0.000						
QTY		491	0	1,445	0						
CTG, 12 GA MK 279 (DODIC DWED)	А	0.002	0.000	0.006	0.000						
QTY		308	0	916	0						_
CTG, 12 GA MK 280 (DODIC DWEE)	A	0.002	0.000	0.006	0.000						
QTY		308	0	916	0						
ASBLY, PYRO MK 34 (DODIC DWEI)	A	0.067	0.000	16.485	17.234						
QTY		4,598	0	1,063,548	1,077,125						
1ST DESTINATION TRANS (FDTC)	А	1.758	0.000	1.000	1.000						
QTY											
CANINE SCENT KIT (DODIC MN01)	A	0.000	0.200	0.030	0.030						
QTY		0	203	30	30						
MARINE SECURITY GUARD BATTALION	A	0.362	0.359	0.400	0.400						
QTY											
Sub Total		2.193	0.559	17.933	18.664						
P-40a Total		812.193	199.559	282.933	714.664						

Exhibit P-5, Cost Analysis								Date: FEBRUARY	2005			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	A			nclature: S THAN \$5	MILLION							
	FY04 FY05				FY06 FY07							
WBS COST ELEMENTS	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
CTG 12 GAUGE 00 BUCKSHOT (DODIC A011)												
LOAD, ASSEMBLE, PACK (LAP)				0.344	114,666	0.30						
BOX METAL M2A1				0.048	7,111	6.75						
CTG .30 CAL BLANK (DODIC A222)												
COMPLETE ROUND							0.007	21,212	0.33	0.017	45,945	0.37
CTG, CAL .45 BALL (DODIC A475)												
COMPLETE ROUND	0.387	1,612,500	0.24	0.563	2,165,384	0.26						
CTG, CAL .45 WADCUTTER (DODIC A482)												
COMPLETE ROUND										0.432	480,219	0.91
CTG, CAL .45 MATCH (A483)												
COMPLETE ROUND												
PRODUCT												
PRODUCTION ENGINEERING	0.001			0.001			0.001			0.002		
QUALITY ASSURANCE	0.001			0.002			0.001			0.004		
P-5 Total	0.389			0.958			0.009			0.455		

Exhibit P-5a, Procurement Histor Planning	y and	Weapon	System		Date: FEBRUARY 2005									
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					Line Item Nomenclature: 000) ITEMS LESS THAN \$5 MILLION									
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	Contract Method and Type	Contractor and Location	RFP Issue Date	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available				
CTG 12 GAUGE 00 BUCKSHOT (DODIC A011)														
LOAD, ASSEMBLE, PACK (LAP)														
FY 2005	114,666	0.30	JMC ROCK ISLAND, IL	C/FFP	Alliant Tech LCAAP , Independence, MO	OCT 04	JAN 05	JUL 05	YES					
BOX METAL M2A1														
FY 2005	7,111	6.75	JMC ROCK ISLAND, IL	C/FFP	Alliant Tech LCAAP , Independence, MO	OCT 04	JAN 05	JUL 05	YES					
CTG .30 CAL BLANK (DODIC A222)														
COMPLETE ROUND														
FY 2006	21,212	0.33	JMC ROCK ISLAND, IL	C/FFP	Alliant Tech LCAAP , Independence, MO	UNKNOWN	DEC 05	OCT 06	NO					
FY 2007	45,945	0.37	JMC ROCK ISLAND, IL	C/FFP	Alliant Tech LCAAP , Independence, MO	UNKNOWN	DEC 06	OCT 07	NO					
CTG, CAL .45 BALL (DODIC A475)														
COMPLETE ROUND														
FY 2004	1,612,500	0.24	JMC ROCK ISLAND, IL	C/FFP	Alliant Tech LCAAP , Independence, MO	OCT 03	JAN 04	JUL 04	YES					
FY 2005	2,165,384	0.26	JMC ROCK ISLAND, IL	C/FFP	Alliant Tech LCAAP , Independence, MO	OCT 04	JAN 05	JUL 05	YES					
CTG, CAL .45 WADCUTTER (DODIC A482)														
COMPLETE ROUND														
FY 2007	480,219	0.90	JMC ROCK ISLAND, IL	C/FFP	Alliant Tech LCAAP , Independence, MO	UNKNOWN	JAN 07	JUL 07	NO					
CTG, CAL .45 MATCH (DODIC A483)														
COMPLETE ROUND														
FY 2007	368,181	0.22	JMC ROCK ISLAND, IL	C/FFP	Alliant Tech LCAAP , Independence, MO	UNKNOWN	DEC 06	JUL 07	NO					